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ABSTRACT

This report provides detailed statistical profiles of students from several major countries who were doctoral recipients in science and engineering at U.S. universities and the initial intent of these foreign doctoral recipients to locate in the United States after graduation. The statistical profiles included in this report contain two tables for each major country of origin in Appendix B. The first set of tables groups degrees by country and field between 1988 and 1996. These tables provide data on several characteristics of doctoral students: gender, visa status, sources of support, time to degree, planned location after Ph.D, and any definite employment plans in the United States. The second set of tables provides similar data for the years 1975, 1980, and 1985-96. (DDR)

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Statistical Profiles of Foreign Doctoral Recipients in Science and Engineering:

Plans to Stay in the United States

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An SRS Special Report

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation **November 1998**

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Jean M. Johnson, Author

An SRS Special Report

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

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FOREWORD

The international mobility of foreign scientists and engineers and their significant presence in the U.S. labor force often begins with their graduate education at U.S. universities. This report provides detailed statistical profiles of students from several major countries who were doctoral recipients in science and engineering (S&E) at U.S. universities. It also provides information on the initial intent of these foreign doctoral recipients to locate in the United States after graduation.

The National Science Foundation (NSF), Division of Science Resources Studies (SRS), is developing a database on global human resources for science and engineering and has data on doctoral S&E programs for some countries in Asia, Europe, and North America. (See *Human Resources for Science and Technology: The Asian Region* [NSF 93-303] and *Human Resources for Science and Technology: The European Region* [NSF 96-316]). This report provides the U.S. component of doctoral training of students from these countries. It also supplements coverage of foreign doctoral recipients in the National Science Board's *Science and Engineering Indicators: 1998* and other reports published by SRS, e.g., Issue Brief, "International Mobility of Scientists and Engineers to the United States—Brain Drain or Brain Circulation?"

It is hoped that these statistical profiles will prove useful to policymakers and to the research community and will lead to additional analyses in an area of growing interest.

Jeanne E. Griffith, Director
Division of Science Resources Studies
Directorate for Social, Behavioral, and
Economic Sciences

November, 1998

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General Notes

This report provides statistical profiles of foreign students from major countries in Asia, Europe, and North America[1] who earned doctoral degrees in science and engineering (S&E) fields at U.S. institutions. The countries represent 74 percent of all foreign doctoral recipients in S&E fields. Foreign doctoral recipients from other regions of the world (e.g., South America, the Middle East, and Africa) are not included in this report.

The statistical profiles included in this report contain two tables for each major country of origin in Appendix B. The first set of tables (B-1 through B-14) groups degrees by country and field between 1988 and 1996, a period of rapid growth in S&E doctorates earned by foreign students. These tables provide data on several characteristics of doctoral recipients: gender, visa status, sources of support, time to degree, planned location after Ph.D., and any definite employment plans in the United States. The second set of tables (B-15 through B-28) provides similar data for the years 1975, 1980, and 1985–96.

These data are used to analyze the growth of S&E doctoral degrees earned by foreign students and the students' plans to remain in the United States after graduation. Data on plans to stay in the United States are collected by the Survey of Earned Doctorates (SED). A "plan to stay" means that a student intends to remain in the United States after graduation and a "firm plan to stay" means that a student has accepted a definite offer of a postdoctoral appointment or employment in the United States. The number of foreign doctoral recipients with firm plans to stay in the United States is a good indicator of those who actually stay[2] and is referred to in this report as a "stay rate." Summary tables used for this analysis (combining all countries from the three regions) are provided in Appendix A.

[1] This report contains data for the European countries of France, Germany, Greece, Italy, and the United Kingdom. In addition, data for several groupings—other Western European countries, Eastern European countries, Scandinavian countries, and Russia and former Soviet Republics—are included. The Asian countries covered in this report are those that supply the largest numbers of students—China, India, South Korea, and Taiwan. For North America, data for Canada and Mexico are included.

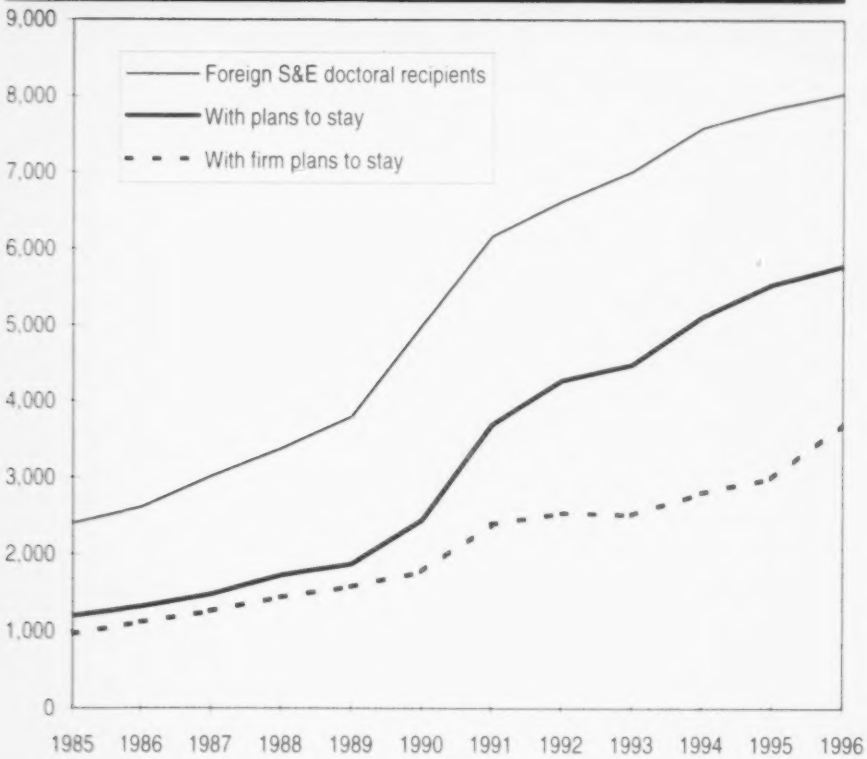
[2] Michael G. Finn, Leigh Ann Pennington, and Kathryn Hart Anderson, "Foreign Nationals Who Receive Science or Engineering Ph.D.s from U.S. Universities: Stay Rates and Characteristics of Stayers," Oak Ridge, TN: Oak Ridge Institute for Science and Education, April 1995.

Foreign Doctoral Recipients with Plans to Stay in the United States

In the last decade, the number of students from countries of Europe, Asia, and North America earning S&E doctoral degrees at U.S. institutions has been increasing faster than the overall number of S&E doctoral degrees awarded by U.S. institutions. The number of S&E doctoral degrees earned in the United States by students from these regions increased from 2,400 in 1985 to over 8,000 in 1996, an average annual growth rate of 11.6 percent. During the same period, the total number of S&E doctoral degrees earned in the United States increased from 18,000 to 27,000, representing an annual increase of 3.4 percent[3] (table A-1). Paralleling the increase in the number of S&E doctoral recipients from these three regions is an increase in those who plan to remain in the United States after receiving their degrees (figure 1).

Between 1988–96, students from the major countries of Asia, Europe, and North America earned more than 55,000 S&E doctoral degrees at U.S. institutions. During

Figure 1. Number of foreign S&E doctoral recipients (from North America, Europe, and Asia) with plans to stay in the United States



NOTE: See appendix table A-2 for countries included within each region.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-1.

[3] The average annual increase in the number of degrees awarded to U.S. citizens was 1.8 percent. See *Science and Engineering Doctorate Awards: 1996*, Detailed Statistical Tables, NSF 97-329 (Arlington, VA, 1997).

this period, 63 percent of these 55,000 doctoral recipients planned to remain in the United States after completing their studies and 37 percent planned to locate outside the United States. About 39 percent of foreign doctoral recipients had firm plans to remain in the United States (table 1). To be counted as having "firm plans" to remain, the respondent had to give the name and address of his or her prospective employer.

The number of foreign doctoral recipients from Asia is five times higher than the number from Europe. In addition, students from the Asian region have a higher planned stay rate than those from Europe and North America. Plans to stay in the United States, however, differ widely by country.

Asia

High stay rates in the United States are largely attributable to more favorable opportunities for employment or further study in the United States than in countries of origin. Between 1988–96, a large majority of doctoral recipients from China and India planned to remain in the United States for further study and employment. During this period, about 80 percent of the approximately 25,000 Indian and Chinese S&E doctoral recipients planned to remain in the United States, and about half reported accepting firm offers to do so (figure 2 and table A-2). The high stay rate of Chinese students is largely attributable to the enactment (after the student demonstrations in Tiananmen Square) of the Chinese Student Protection Act of 1992, granting permanent U.S. residence status to most of the students.

In contrast to the high stay rates for Indian and Chinese doctoral students, only 23 percent of doctoral recipients from South Korea and 28 percent from Taiwan reported accepting firm offers to remain in the United States (table A-2).

Planned stay rates for the whole period 1988–96, however, mask differences over time for several countries. The trend in the 1990s has been for fewer doctoral recipients from South Korea and Taiwan to

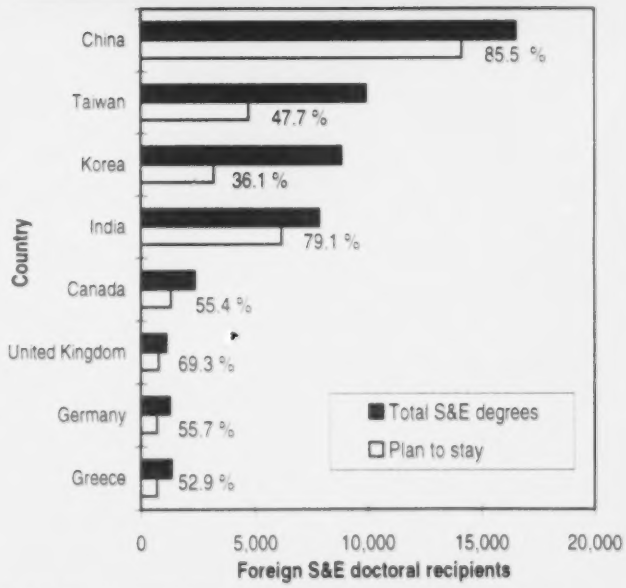
Table 1. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by selected region: 1988–96

	Foreign S&E doctoral recipients				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
Regions[1]	**55,444**	**34,917**	**63.0**	**21,779**	**39.3**
Asia	43,171	28,280	65.5	16,964	39.3
Europe	8,760	4,896	55.9	3,521	40.2
North America	3,513	1,739	49.5	1,294	36.8

[1]See table A-1 for countries within each region.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-1.

Figure 2. Number and percent of foreign S&E doctoral recipients with plans to stay in the U. S., by country of origin



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-2.

remain in the United States because of improved employment opportunities in their home countries. This is particularly true of South Korean engineering doctoral recipients.[4] However, these trends could change because of deteriorating financial conditions in Asia in 1998. For other countries, notably China, the number of doctoral recipients with firm plans to stay has increased in the 1990s (figure 3).

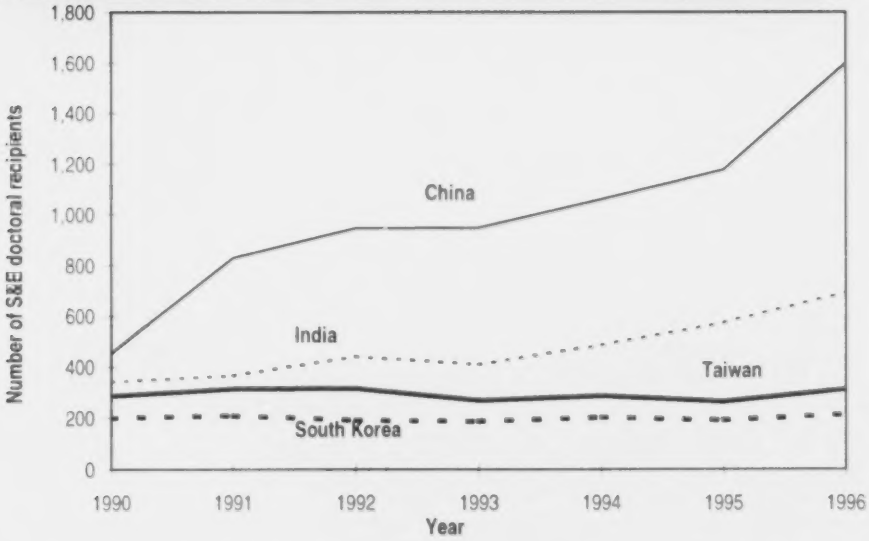
Before 1988, about half of the foreign students who earned S&E doctoral degrees at U.S. universities planned to locate in the United States after completing their degrees. In the 1990s, however, the proportion with plans to remain in the United States increased to more than 60 percent.[5] Although the increase in the stay rate of Chinese students is largely responsible for the jump in the overall rate of those planning to stay, students from other countries are also contributing to the growing number of those who plan to stay. Undoubtedly, the increase—particularly after 1993—is a reflection of rising employment opportunities made possible by a strong U.S. economy (figure 4).

Information on initial plans to stay in the United States (collected by the SED at the time of graduation) is corroborated by the findings of a recent study of foreign doctoral recipients working and earning wages in the United States.[6] According to this study, the majority of 1990–91 doctoral recipients from India (79 percent) and China (88 percent) were still working in the United States in 1995. In contrast, only 11 percent of South Koreans who earned S&E doctorates from U.S. universities in 1990–91 were working in the United States in 1995.

EUROPE

The number of European students who completed U.S. doctoral programs between 1988 and 1996 (8,700) is small compared to the number of Asian students who completed U.S. doctoral programs during the same time frame (43,171), even when all Western and Eastern European countries are combined and compared to only four Asian countries. Recently, however, more European students have been taking

Figure 3. Number of U.S. S&E doctoral recipients from selected Asian countries with firm plans to remain in the United States: 1990–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-3.

[4] National Science Board, "Higher Education in Science and Engineering," *Science & Engineering Indicators–1998*. Arlington, VA: National Science Foundation, 1998 (NSB98-1).

[5] *Ibid.*

[6] M.G. Finn, "Stay Rates of Foreign Doctorate Recipients from U.S. Universities: 1995," Oak Ridge, TN: Oak Ridge Institute for Science and Education, 1997.

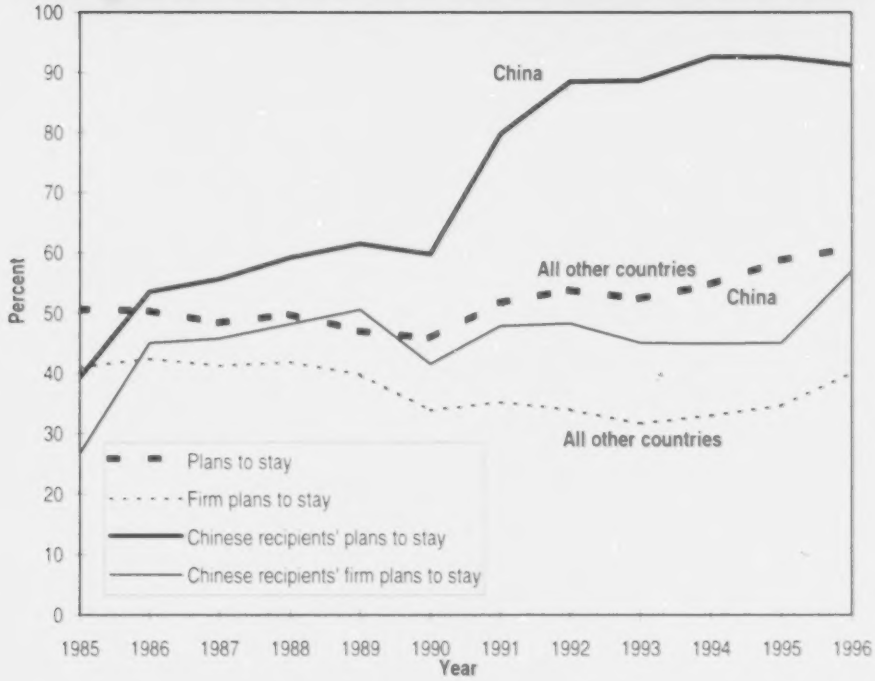
doctoral training at U.S. universities, and a larger proportion of these students is planning to remain in the United States. The United Kingdom and Greece traditionally have been the major countries of origin of European doctoral students in the United States. In recent years, Germany has joined this group.

Relatively few French or Italian students come to the United States for doctoral training compared to the number from other European countries, and relatively few of those plan to remain after completing their degrees (table A-2). However, new Ph.D.s from France have come to the United States temporarily for postdoctoral appointments. In 1995, there were twice as many French postdoctorates (271) as there were French doctoral students (132) in the United States.[7]

North America

Within North America, Canada has sent far more S&E doctoral students to U.S. universities than did Mexico. In addition, the number of Canadian students who have earned S&E doctoral degrees in the United States—although smaller than the number from individual Asian countries—is higher than the number from individual European countries. More than half of these doctoral recipients planned to locate in the United States, and 43 percent reported firm offers for further study or work in the United States. Mexico sent relatively few students to U.S. doctoral programs, and a relatively small percentage (similar to that of South Korea) planned to stay in the United States (table A-2).

Figure 4. Percent of U.S. S&E doctoral recipients from China and all other countries with plans to stay in the United States: 1985–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-4.

[7] See Damien Terouanne, *"Presence Francaise en Science et en Ingenierie Aux Etats-Unis: Cerveaux en fuite ou en voyage?"*, a joint project between NSF and the French National Committee for Scientific Research (known by its French abbreviation, CNRS), published by CNRS Washington, 1997.

Main Activity of Foreign Doctoral Recipients With Plans to Stay in the United States

From 1988–96, U.S. institutions awarded 55,000 S&E doctoral degrees to persons from the countries covered in this report. Of those students, 39 percent reported firm work or study offers in the United States at the time the SED was conducted (table A-1). Two types of offers were reported: (1) temporary (usually 1–2 years) postdoctoral appointments, and (2) offers of employment positions in industry and other sectors.

Postdoctoral Appointments in the United States

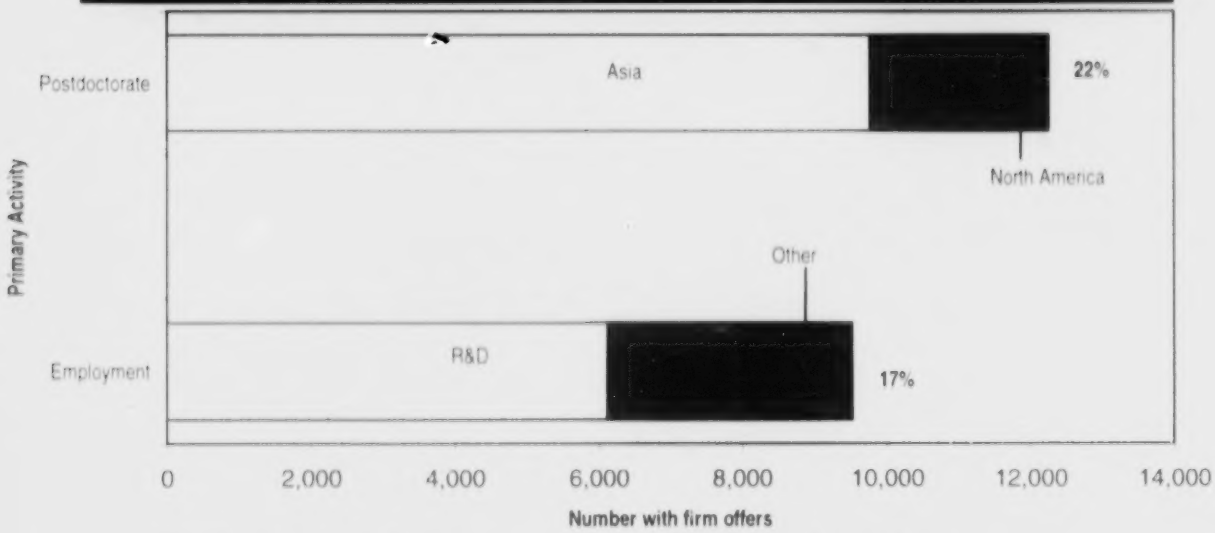
More than half of the students with firm offers reported they were planning to take postdoctoral appointments. This was 22 percent—or 12,000 students—of all 1988–96 foreign doctoral recipients in S&E fields (figure 5). Of these 12,000 students, almost 10,000 were from Asia, almost 2,000 were from Europe, and over 600 were from North America (figure 5 and table A-5).

Employment Positions in the United States

About 10,000 students reported receiving firm employment offers in the United States, representing 17 percent of all 1988–96 foreign S&E doctoral recipients (table A-5). Of this group, about 7,000 were from Asia, 1,700 were European, and 600 were from North America. Most of these job offers consisted of employment in research and development (figure 5). Only 3 percent of foreign S&E doctoral recipients receive a firm teaching offer directly after completing their degree. The percentage of teaching offers was somewhat higher (8 percent) for students from the United Kingdom (table A-5).

The primary postgraduation activity reported by foreign doctoral students with firm plans to remain in the United States also differed by country of origin. A large majority of Chinese students received offers of postdoctoral

Figure 5. Number and percent of foreign S&E doctoral recipients with firm offers and plans to stay in the United States, by primary activity: 1988-96



SOURCE: National Science Foundation, Division of Science Resources Studies, Survey of Earned Doctorates, special tabulations, and table A-5.

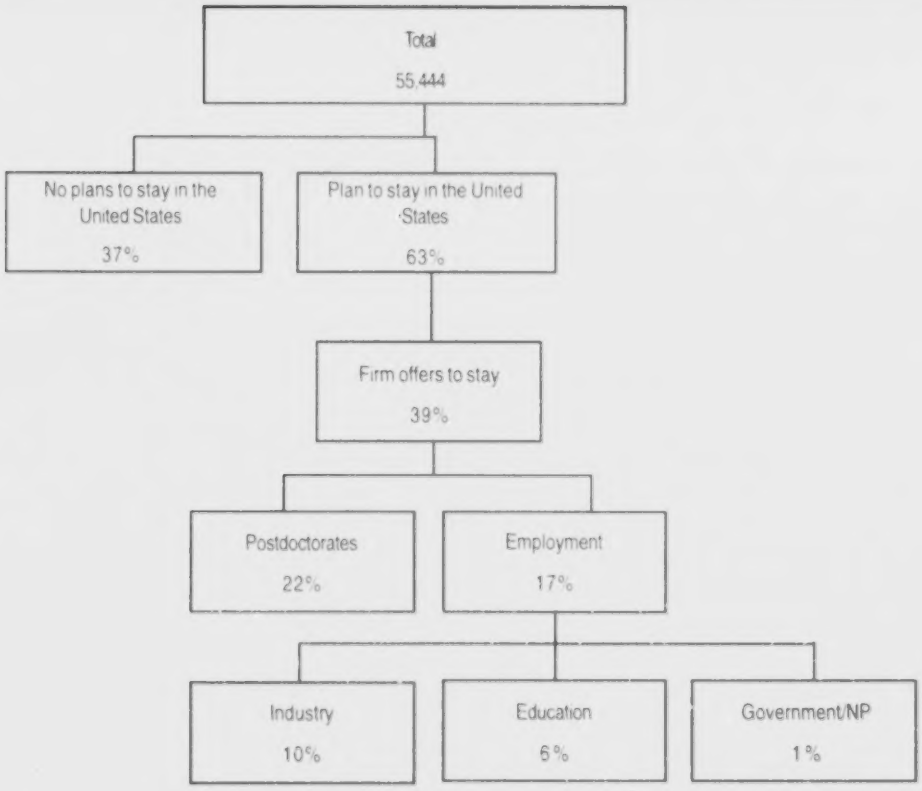
appointments, probably because the majority earn degrees in the natural sciences, fields in which postdoctoral experiences are common. During the period 1988–96, more than 5,000 Chinese doctoral recipients received postdoctoral appointments (table A-5). In contrast, Indian students were more likely to report permanent employment offers in the United States than postdoctoral appointments. Almost one-third of all S&E doctoral students from India reported receiving firm employment offers in the United States before completing their studies.

The relatively low stay rates of S&E doctoral recipients from Taiwan and South Korea might be explained in part by those countries' dynamic economies. From 1988–96, these countries were successful in attracting their students to return home. Only a small fraction of Korean doctoral recipients (6 percent) reported firm plans for U.S. employment. Most Koreans who planned to remain in the United States received offers of temporary postdoctoral appointments. Taiwanese and European students were evenly divided between accepting postdoctoral appointments and employment in the United States.

Type of Employer

Industry is the largest employer of foreign S&E doctoral recipients with firm job offers in the United States. Of the almost 10,000 foreign S&E doctoral recipients from 1988–96 who reported firm offers to work in the United States (representing 17 percent of total S&E foreign doctoral recipients), more than half (10 percent of the total) received offers from industry (figure 6). Again, there are differences by country and field. For example, 20 percent of doctoral recipients from India reported receiving firm offers of employment from U.S.

Figure 6. Number and percent of foreign S&E doctoral recipients with plan to stay in the United States: 1988–96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates.*

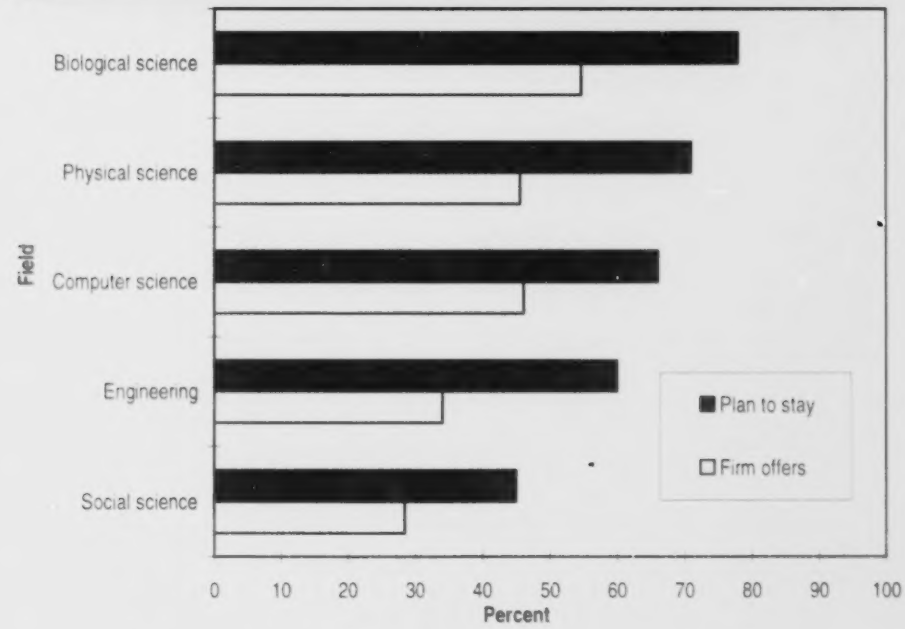
industrial firms, nearly—or more than—double the percentages for the other countries covered in this report (table A-6). Although Korea and Taiwan send more students than India to the United States for graduate study in S&E, the percentages of their students receiving firm job offers from U.S. industry are much lower—2.3 percent and 9.8 percent, respectively—than India's.

About 6 percent of the 1988–96 foreign S&E doctoral recipients received academic research or teaching offers from U.S. educational institutions (table A-6). Again, there are differences by country. China and India had the highest absolute numbers of students with these offers (874 and 744, respectively), but the United Kingdom had by far the highest percentage of students with these offers (15.7 percent).

Field of Science

The stay rates of foreign doctoral recipients also vary by S&E field. Foreign students earning doctoral degrees in the biological sciences are the most likely to have plans to remain in the United States and to receive firm offers of postdoctoral study to do so. Of the approximately 9,000 foreign students earning doctoral degrees in the biological sciences from 1988–96, 77 percent planned to remain in the United States and 55 percent reported having firm offers (figure 7). Other fields showing relatively high stay rates are the physical sciences and computer sciences. A smaller proportion of foreign doctoral recipients in fields of engineering and the social sciences plans to remain in the United States; this was especially true for Taiwanese and Korean students majoring in engineering.

Figure 7. Percent of foreign doctoral recipients with plans to stay in the United States, by field: 1988–96

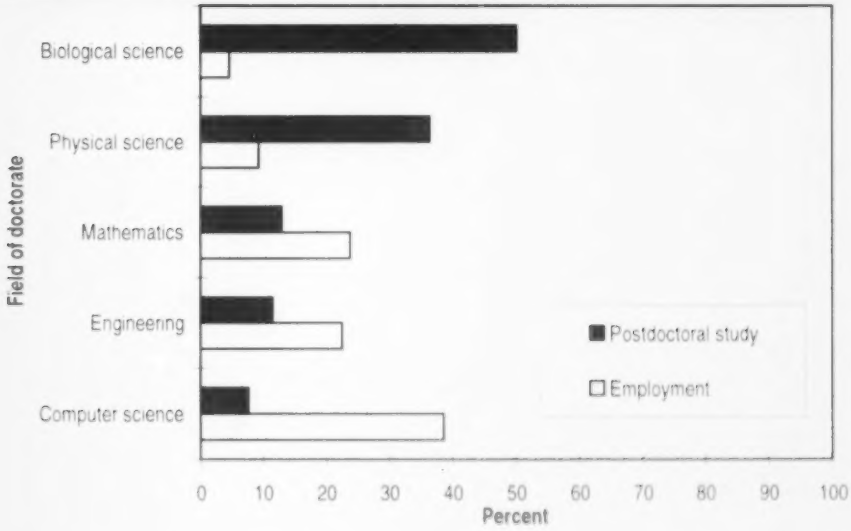


SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-7.

The decision to accept postdoctoral study is, not surprisingly, greatest in fields in which such further study is a common career path. More than half of all foreign students earning doctoral degrees in the biological sciences plan to remain in the United States for postdoctoral study, whereas only 5 percent report firm job offers (figure 8). In contrast, only 7 percent of computer science majors plan to remain for postdoctoral study, whereas more than 38 percent had employment offers. Those earning Ph.D.s in mathematics also seemed to be in high demand in the United States; most of their employment offers came from universities.

As stated earlier, the majority of U.S. employment offers received by foreign S&E doctoral recipients were from industry; a smaller proportion receives offers from educational institutions. Industry provided the highest numbers of job offers to foreign graduate students majoring in engineering (3,256), physical sciences (713), and computer sciences (591). The highest number of job offers made by educational institutions went to students majoring in psychology and social sciences (1,213), engineering (815), and mathematics (620) (table A-9).

Figure 8. Percent of foreign doctoral recipients with firm plans to remain in the United States, by field and main activity: 1988-96



SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations, and table A-8.

Summary and Conclusions

The majority of foreign students who earned S&E doctorates from U.S. institutions during 1988–96 planned to locate in the United States, and almost 40 percent reported firm plans for further study or employment. Most of those with firm plans had offers of postdoctoral appointments. The remaining students (17 percent of all foreign S&E doctoral students) had employment offers, mostly from industry. The primary work activity identified in these offers from industry is research and development. Industry was more likely to make offers to new foreign Ph.D.s who majored in engineering, the physical sciences, and computer science than to those who majored in other fields.

Stay rates for foreign students are not static. They are influenced by U.S. immigration policy, the number and quality of job opportunities in the home countries of the students, and political change. The stay rate of foreign doctoral recipients should be closely monitored because it has implications for the U.S. economy and the concentration of scientists and engineers in the United States as well as on the economies of the nations these students come from. For example, in the 1990s, the number of South Korean and Taiwanese S&E doctoral recipients reporting plans to remain in the United States declined because the economies of South Korea and Taiwan increased those countries' capacities to absorb the majority of the U.S.-trained doctoral scientists and engineers. Whether this trend continues following the Asian economic crisis of 1998 should be monitored. Because China is now the main country of origin of foreign S&E doctoral recipients in the United States, the trend toward increasing stay rates in the 1990s should be followed to see whether it is temporary. Should China succeed in implementing economic reforms that rely heavily on scientific and technological progress, the demand for high-level specialized personnel and the number of new Ph.D.s returning to China may increase substantially.

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Table A-1. Number and percent of foreign S&E doctoral recipients from major countries of origin with plans to stay in the United States: 1985–96[1]

Years	Total S&E doctoral recipients	Foreign S&E doctoral recipients				
		Total	With plans to stay	Percent	With firm plans to stay	Percent
1985	18,113	2,401	1,201	50.0	963	40.1
1986	19,437	2,613	1,322	50.6	1,111	42.5
1987	19,894	3,018	1,479	49.0	1,257	41.7
1988	20,933	3,383	1,729	51.1	1,444	42.7
1989	21,731	3,795	1,873	49.4	1,575	41.5
1990	22,867	5,002	2,449	49.0	1,778	35.5
1991	24,019	6,167	3,690	59.8	2,397	38.9
1992	24,673	6,625	4,274	64.5	2,541	38.4
1993	25,441	7,014	4,480	63.9	2,516	35.9
1994	26,202	7,590	5,108	67.3	2,805	37.0
1995	26,515	7,842	5,533	70.6	3,000	38.3
1996	27,230	8,026	5,781	72.0	3,713	46.3

1 Foreign doctoral recipients from major countries of origin: Asia, Europe, and North America. Asia includes China, India, Japan, South Korea, and Taiwan. Europe includes all Scandinavian, Western, and Eastern European countries. North America includes Canada and Mexico.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-2. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by selected countries/regions: 1988–96

Region/country	Foreign S&E doctoral recipients				
	Total	With plans to stay	Percent	With firm plans to stay	Percent
Total, Selected countries	55,444	34,917	63.0	21,779	39.3
Asia	43,171	28,280	65.5	16,964	39.3
China	16,550	14,145	85.5	7,935	47.9
India	7,843	6,200	79.1	4,290	54.7
Korea	8,851	3,197	36.1	2,005	22.7
Taiwan	9,927	4,738	47.7	2,734	27.5
Europe	8,760	4,898	55.9	3,521	40.2
France	653	275	42.1	181	27.7
Germany	1,283	714	55.7	520	40.5
Greece	1,343	710	52.9	494	36.8
Italy	658	288	43.8	198	30.1
United Kingdom	1,132	784	69.3	595	52.6
Other Western European Countries	1,725	870	50.4	655	38.0
Scandinavian countries	612	276	45.1	195	31.9
Eastern Europe	1,354	981	72.5	683	50.4
North America	3,513	1,739	49.5	1,294	36.8
Canada	2,387	1,322	55.4	1,027	43.0
Mexico	1,126	417	37.0	267	23.7

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-3. Foreign S&E doctoral recipients with firm plans to stay in the United States, by year of degree: selected Asian countries

Years	China	India	Taiwan	South Korea
1990	477	342	287	200
1991	858	365	315	210
1992	988	442	318	192
1993	1,003	409	269	188
1994	1,138	486	287	204
1995	1,241	573	266	193
1996	1,680	692	314	215

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-4. Number and percent of S&E doctoral recipients with plans to stay in the United States, from China and all other countries[1]

	Foreign S&E doctoral recipients				
All countries except China	Total	With plans to stay	Percent	With firm plans plans to stay	Percent
1985	2,266	1,148	50.7	927	40.9
1986	2,415	1,216	50.4	1,022	42.3
1987	2,725	1,316	48.3	1,123	41.2
1988	2,903	1,445	49.8	1,213	41.8
1989	3,175	1,492	47.0	1,262	39.7
1990	3,852	1,762	45.7	1,301	33.8
1991	4,374	2,261	51.7	1,539	35.2
1992	4,580	2,465	53.8	1,553	33.9
1993	4,787	2,505	52.3	1,513	31.6
1994	5,059	2,763	54.6	1,667	33.0
1995	5,090	2,988	58.7	1,759	34.6
1996	5,074	3,091	60.9	2,033	40.1
China					
1985	135	53	39.3	36	26.7
1986	198	106	53.5	89	44.9
1987	293	163	55.6	134	45.7
1988	480	284	59.2	231	48.1
1989	6[illegible]	381	61.5	313	50.5
1990	1,150	687	59.7	477	41.5
1991	1,793	1,429	79.7	858	47.9
1992	2,045	1,809	88.5	988	48.3
1993	2,227	1,975	88.7	1,003	45.0
1994	2,531	2,345	92.6	1,138	45.0
1995	2,752	2,545	92.5	1,241	45.1
1996	2,952	2,690	91.1	1,680	56.9

1 Foreign doctoral recipients from selected countries of Asia, Europe, and North America. Asia includes India, Japan, South Korea, and Taiwan. Europe includes all Scandinavian, Western, and Eastern European countries. North America includes Canada and Mexico.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-5. Number and percent of foreign S&E doctoral recipients with firm plans to stay in the United States, by primary activity and region/country: 1988–96

Region/country	Total foreign S&E doctorates	Total with firm plans	Percent	Primary activity									
				Postdoctoral study	Percent	Employment							
						Total Employment	Percent	R&D	Percent	Teaching	Percent	Other	Percent
Total	**55,444**	**21,770**	**39.3**	**12,252**	**22.1**	**9,517**	**17.2**	**6,116**	**11.0**	**1,566**	**2.8**	**1,837**	**3.3**
Asia	43,171	16,956	39.3	9,766	22.6	7,189	16.7	4,812	11.1	985	2.3	1,394	3.2
China	16,550	7,930	47.9	5,085	30.7	2,845	17.2	1,866	11.3	345	2.1	633	3.8
India	7,843	4,291	54.7	1,828	23.3	2,463	31.4	1,634	20.8	359	4.6	470	6.0
Korea	8,851	2,002	22.6	1,505	17.0	497	5.6	311	3.5	128	1.4	60	0.7
Taiwan	9,927	2,733	27.5	1,348	13.6	1,384	13.9	1,001	10.1	153	1.5	231	2.3
Europe	8,760	3,520	40.2	1,822	20.8	1,698	19.4	980	11.2	430	4.9	288	3.3
France	653	181	27.7	85	13.0	96	14.7	61	9.3	23	3.5	12	1.8
Germany	1,283	520	40.5	285	22.2	235	18.3	130	10.1	64	5.0	41	3.2
Greece	1,343	494	36.8	227	16.9	267	19.9	153	11.4	72	5.4	42	3.1
Italy	658	198	30.1	94	14.3	104	15.8	59	9.0	25	3.8	20	3.0
United Kingdom	1,132	595	52.6	302	26.7	293	25.9	139	12.3	92	8.1	62	5.5
Other Western European countries	1,725	655	38.0	345	20.0	310	18.0	193	11.2	69	4.0	48	2.8
Scandinavian countries	612	195	31.9	96	15.7	99	16.2	60	9.8	19	3.1	20	3.3
Eastern Europe	1,354	682	50.4	388	28.7	294	21.7	185	13.7	66	4.9	43	3.2
North America	3,513	1,294	36.8	664	18.9	630	17.9	324	9.2	151	4.3	155	4.4
Canada	2,387	1,027	43.0	523	21.9	504	21.1	257	10.8	117	4.9	130	5.4
Mexico	1,126	267	23.7	141	12.5	126	11.2	67	6.0	34	3.0	25	2.2

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-6. Number and percent of foreign S&E doctoral recipients with firm employment offers in the United States, by type of employer and region/country of origin: 1988–96

Region/country	Total	Foreign S&E doctorates: With firm employment offer	Foreign S&E doctorates: Percent	Type of employer: Educational institution	Percent	Business/ industry	Percent	Government, nonprofit and other	Percent
Total	**55,444**	**9,517**	**17.2**	**3,480**	**6.3**	**5,298**	**9.6**	**738**	**1.3**
Asia	43,171	7,189	16.7	2,210	5.1	4,481	10.4	497	1.2
China	16,550	2,845	17.2	874	5.3	1,738	10.5	232	1.4
India	7,843	2,463	31.4	744	9.5	1,565	20.0	154	2.0
Korea	8,851	497	5.6	248	2.8	206	2.3	43	0.5
Taiwan	9,927	1,384	13.9	344	3.5	972	9.8	68	0.7
Europe	8,760	1,698	19.4	951	10.9	577	6.6	170	1.9
France	653	96	14.7	40	6.1	44	6.7	12	1.8
Germany	1,283	235	18.3	143	11.1	66	5.1	26	2.0
Greece	1,343	267	19.9	148	11.0	110	8.2	9	0.7
Italy	658	104	15.8	70	10.6	20	3.0	14	2.1
United Kingdom	1,132	293	25.9	178	15.7	75	6.6	40	3.5
Other Western European countries	1,725	310	18.0	169	9.8	105	6.1	36	2.1
Scandinavian countries	612	99	16.2	51	8.3	34	5.6	14	2.3
Eastern Europe	1,354	294	21.7	152	11.2	123	9.1	19	1.4
North America	3,513	630	17.9	319	9.1	240	6.8	71	2.0
Canada	2,387	504	21.1	257	10.8	191	8.0	56	2.3
Mexico	1,126	126	11.2	62	5.5	49	4.4	15	1.3

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-7. Number and percent of foreign S&E doctoral recipients with plans to stay in the United States, by field: 1988–96

Field	Foreign S&E doctorates: Total	With plans to stay	Percent	With firm plans to stay	Percent
Total S&E	**55,444**	**34,917**	**63.0**	**21,770**	**39.3**
Physical sciences	9,874	6,968	70.6	4,510	45.7
Earth sciences	1,541	968	62.8	555	36.0
Mathematics	3,490	2,134	61.1	1,284	36.8
Computer sciences	2,613	1,734	66.4	1,206	46.2
Engineering	19,030	11,484	60.3	6,474	34.0
Biological sciences	9,149	7,092	77.5	5,001	54.7
Agricultural sciences	2,050	1,042	50.8	550	26.8
Psychology/ social sciences	7,697	3,495	45.4	2,189	28.4

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-8. Number and percent of foreign S&E doctoral recipients with firm offers to stay in the United States, by field and main activity: 1988–96

Field	Foreign S&E doctorates			Firm offers				Firm employment by type of activity					
	Total	Total with firm offers	Percent	Postdoctoral appointment	Percent	Employment	Percent	R&D	Percent	Teaching	Percent	Other	Percent
Total S&E	**55,444**	**21,770**	**39.3**	**12,252**	**22.1**	**9,518**	**17.2**	**6,116**	**11.0**	**1,566**	**2.8**	**1,835**	**3.3**
Physical sciences	9,874	4,510	45.7	3,590	36.4	920	9.3	687	7.0	61	0.6	172	1.7
Earth sciences	1,541	555	36.0	371	24.1	184	11.9	107	6.9	17	1.1	80	5.2
Mathematics	3,490	1,284	36.8	453	13.0	831	23.8	366	10.5	294	8.4	171	4.9
Computer sciences	2,613	1,206	46.2	199	7.6	1,007	38.5	710	27.2	176	6.7	121	4.6
Engineering	19,030	6,474	34.0	2,195	11.5	4,279	22.5	3,176	16.7	365	1.9	738	3.9
Biological sciences	9,149	5,001	54.7	4,580	50.1	421	4.6	258	2.8	54	0.6	109	1.2
Agricultural sciences	2,050	550	26.8	410	20.0	150	7.3	103	5.0	14	0.7	33	1.6
Psychology/ social sciences	7,697	2,189	28.4	464	6.0	1,725	22.4	709	9.2	589	7.7	427	5.5

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

Table A-9. Number and percent of foreign S&E doctoral recipients with firm employment offers, by field and type of employer: 1988–96

Field	Foreign S&E doctorates			Type of employer					
	Total	With employment offers	Percent	Education	Percent	Industry	Percent	Government/ private nonprofit	Percent
All S&E fields	**55,444**	**9,518**	**17.2**	**3,480**	**6.3**	**5,298**	**9.6**	**739**	**1.3**
Physical sciences	9,874	920	9.3	141	1.4	713	7.2	66	0.7
Earth sciences	1,541	184	11.9	49	3.2	104	6.7	31	2.0
Mathematics	3,490	831	23.8	620	17.8	189	5.4	22	0.6
Computer sciences	2,613	1,007	38.5	391	15	591	22.6	25	1.0
Engineering	19,030	4,279	22.5	815	4.3	3,256	17.1	208	1.1
Biological sciences	9,149	421	4.6	208	2.3	146	1.6	67	0.7
Agricultural sciences	2,050	150	7.3	43	2.1	88	4.3	19	0.9
Psychology/ social sciences	7,696	1,725	22.4	1,213	15.8	211	2.7	301	3.9

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*, special tabulations.

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Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**4,156**	**2,387**	**322**	**90**	**125**	**76**	**371**	**513**	**107**	**783**	**1,769**	**637**	**577**	**191**	**364**
Percent men	63.6	69.8	86.0	75.6	79.2	84.2	89.5	62.0	69.2	55.4	55.3	58.9	50.6	28.8	70.6
Percent women	36.4	30.2	14.0	24.4	20.8	15.8	10.5	38.0	30.8	44.6	44.7	41.1	49.4	71.2	29.4
Percent with permanent visa	26.0	24.8	19.9	23.3	12.0	27.6	21.0	30.0	12.2	28.7	27.6	28.4	27.9	27.7	25.5
Percent with temporary visa	74.0	75.2	80.1	76.7	88.0	72.4	79.0	70.0	87.9	71.3	72.4	71.6	72.1	72.3	74.5
Percent married	49.1	44.7	36.3	50.0	32.8	48.7	44.5	47.0	49.5	46.9	55.1	47.1	61.7	52.9	59.6
Percent not married	45.0	50.5	59.3	48.9	63.2	46.1	53.1	48.3	46.7	46.1	37.5	44.0	30.8	41.4	34.9
Percent unknown	5.9	4.9	4.3	1.1	4.0	5.3	2.4	4.7	3.7	7.0	7.4	8.9	7.5	5.8	5.5
Median age at Ph.D. in years	32.8	30.8	28.7	31.8	28.9	30.7	29.9	31.3	31.9	32.8	37.3	33.4	43.3	37.3	36.5
Percent with dependents	32.3	25.5	18.3	26.7	19.2	31.6	28.6	23.4	30.8	27.8	41.4	28.3	52.2	37.7	49.5
Percent receiving sources of support[2]															
Personal	71.3	61.2	39.1	53.3	45.6	63.2	57.4	58.5	59.8	77.1	84.9	78.7	92.0	86.9	83.2
Foreign government	28.2	32.1	36.6	35.6	40.8	35.5	27.5	26.1	31.8	34.4	23.0	31.4	8.3	29.8	27.7
University	82.1	88.2	95.3	95.6	93.6	92.1	92.5	87.5	82.2	82.4	73.9	87.9	56.7	71.7	78.0
Teaching assistant	52.3	53.0	63.4	54.4	82.4	56.6	41.8	48.1	22.4	56.1	51.4	74.4	29.5	40.3	51.6
Research assistant	49.8	65.5	87.0	80.0	59.2	80.3	86.8	63.9	73.8	44.4	28.6	16.0	26.0	46.6	45.3
Other university	29.6	28.2	21.4	22.2	24.8	15.8	20.2	31.2	21.5	36.3	31.5	47.4	18.0	22.0	30.2
Other	19.9	17.3	7.8	18.9	12.0	21.1	17.0	18.3	12.2	21.7	23.4	22.0	19.6	33.5	26.6
Unknown	3.7	3.3	2.8	1.1	4.0	0.0	1.9	3.5	2.8	4.5	4.4	5.5	4.5	1.6	3.6
Median years from baccalaureate to Ph.D.															
Total time in years	9.3	7.9	6.4	9.0	6.2	8.2	7.0	8.2	8.9	9.1	13.0	10.0	18.6	13.0	12.6
Registered time	7.0	6.6	6.0	7.2	5.9	7.3	6.0	7.0	6.6	7.2	7.4	7.8	7.2	7.6	7.3

See explanatory information, if any, and SOURCE at end of table.

Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,079	591	64	21	15	21	78	154	13	225	488	181	161	53	93
U.S. total, percent	75.4	78.0	81.3	81.0	73.3	90.5	80.8	81.8	61.5	73.3	72.1	75.7	65.2	83.0	71.0
Study	27.1	41.9	59.6	76.5	9.1	5.3	20.6	79.4	37.5	18.8	7.7	5.8	6.7	27.3	0.0
Employment	71.1	56.8	40.4	23.5	90.9	94.7	76.2	20.6	62.5	78.8	89.8	88.3	92.4	72.7	100.0
Unknown	1.9	1.3	0.0	0.0	0.0	0.0	3.2	0.0	0.0	2.4	2.6	5.8	1.0	0.0	0.0
Non-U.S.	16.1	13.7	17.2	4.8	26.7	9.5	11.5	11.7	23.1	14.7	19.1	17.1	21.7	15.1	20.4
Unknown location	8.5	8.3	1.6	14.3	0.0	0.0	7.7	6.5	15.4	12.0	8.8	7.2	13.0	1.9	8.6
Number with temporary visas	3,077	1,796	258	69	110	55	293	359	94	558	1,281	456	416	138	271
U.S. total, percent	38.4	47.9	62.4	39.1	49.1	58.2	52.2	54.9	30.9	37.3	24.9	31.8	14.2	26.1	29.2
Study	42.3	51.9	75.2	63.0	46.3	28.1	27.5	81.2	58.6	26.9	16.3	19.3	16.9	33.3	2.5
Employment	56.6	47.2	23.6	37.0	50.0	71.9	71.9	17.8	41.4	72.6	82.1	80.0	79.7	66.7	94.9
Unknown	1.1	0.9	1.2	0.0	3.7	0.0	0.7	1.0	0.0	0.5	1.6	0.7	3.4	0.0	2.5
Non-U.S.	53.6	44.4	31.8	56.5	40.9	36.4	38.9	38.4	62.8	53.9	66.5	55.9	77.6	66.7	67.2
Unknown location	8.0	7.6	5.8	4.3	10.0	5.5	8.9	6.7	6.4	8.8	8.6	12.3	8.2	7.2	3.7
Number planning location in the United States after Ph.D.	**1,993**	**1,322**	**213**	**44**	**65**	**51**	**216**	**323**	**37**	**373**	**671**	**282**	**164**	**80**	**145**
Percent with definite postdoctoral study	28.7	39.6	60.6	54.5	32.3	17.6	18.1	67.2	40.5	18.5	7.3	7.4	6.1	20.0	1.4
Percent with definite employment	45.8	38.1	21.6	22.7	43.1	60.8	54.6	13.9	35.1	57.1	60.8	58.5	59.1	45.0	75.9
Percent seeking postdoctoral study	7.4	8.9	10.8	13.6	7.7	2.0	7.4	13.3	13.5	4.8	4.5	5.3	4.3	10.0	0.0
Percent seeking employment	16.8	12.4	6.1	9.1	13.8	19.6	18.5	5.0	10.8	18.2	25.3	25.5	28.7	25.0	21.4
Percent with postdoctoral plans unknown	1.4	1.1	0.9	0.0	3.1	0.0	1.4	0.6	0.0	1.3	2.1	3.2	1.8	0.0	1.4

See explanatory information, if any, and SOURCE at end of table.

Table B-1. Statistical profile of doctorate recipients from Canada, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**912**	**504**	**46**	**10**	**28**	**31**	**118**	**45**	**13**	**213**	**408**	**165**	**97**	**36**	**110**
Primary work activity: percent															
R&D	37.6	51.0	73.9	30.0	25.0	74.2	71.2	44.4	76.9	35.7	21.1	9.7	8.2	33.3	45.5
Teaching	36.8	23.2	15.2	30.0	39.3	19.4	12.7	26.7	15.4	28.6	53.7	75.2	43.3	38.9	35.5
Administrative	3.7	1.8	0.0	0.0	0.0	0.0	3.4	2.2	0.0	1.9	6.1	0.6	14.4	13.9	4.5
Professional services	10.1	12.9	2.2	40.0	21.4	0.0	6.8	11.1	7.7	18.8	6.6	1.2	18.6	8.3	3.6
Other	2.5	2.0	2.2	0.0	0.0	0.0	3.4	4.4	0.0	1.4	3.2	4.8	3.1	0.0	1.8
Unknown	9.2	9.1	6.5	0.0	14.3	6.5	2.5	11.1	0.0	13.6	9.3	8.5	12.4	5.6	9.1
Type of employer: percent															
Educational institution[3]	66.7	51.0	26.1	40.0	82.1	54.8	26.3	51.1	30.8	67.1	86.0	92.1	79.4	72.2	87.3
Industry/business	23.1	37.9	67.4	60.0	17.9	38.7	71.2	31.1	69.2	14.1	4.9	4.2	4.1	5.6	6.4
Government	2.2	3.0	2.2	0.0	0.0	6.5	1.7	6.7	0.0	3.3	1.2	0.0	2.1	2.8	1.8
Nonprofit	6.6	6.4	4.3	0.0	0.0	0.0	0.8	11.1	0.0	11.3	6.9	2.4	14.4	16.7	3.6
Other and unknown	1.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.0	1.2	0.0	2.8	0.9

[1] This table includes all citizens of Canada who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**17,905**	**16,550**	**4,278**	**622**	**1,354**	**421**	**4,377**	**3,899**	**543**	**1,056**	**1,355**	**391**	**385**	**281**	**298**
Percent men	76.9	77.6	77.4	83.0	84.6	85.5	85.0	65.0	83.8	75.5	68.6	71.9	54.3	74.0	77.9
Percent women	23.1	22.5	22.7	17.0	15.4	14.5	15.0	35.0	16.2	24.5	31.4	28.1	45.7	26.0	22.1
Percent with permanent visa	37.8	37.3	33.5	39.7	30.3	37.3	35.6	44.6	28.9	43.9	44.1	51.7	40.3	44.1	38.9
Percent with temporary visa	62.2	62.7	66.5	60.3	69.7	62.7	64.4	55.4	71.1	56.1	55.9	48.3	59.7	55.9	61.1
Percent married	78.5	78.5	75.2	83.6	77.6	80.0	80.7	78.6	87.3	75.9	77.6	74.2	79.7	82.9	74.2
Percent not married	16.2	16.3	19.7	11.4	16.7	15.2	13.9	16.5	8.3	18.6	14.8	18.9	11.9	11.4	16.1
Percent unknown	5.4	5.2	5.1	5.0	5.7	4.8	5.4	4.9	4.4	5.6	7.7	6.9	8.3	5.7	9.7
Median age at Ph.D. in years	32.7	32.4	31.5	33.3	32.1	32.4	32.9	32.1	33.4	35.3	37.3	39.0	38.2	34.0	36.3
Percent with dependents	61.5	61.1	55.2	68.7	65.1	62.7	65.7	57.4	79.0	61.1	65.8	62.7	72.7	65.1	61.4
Percent receiving sources of support[2]															
Personal	23.4	21.6	13.5	23.5	15.9	30.2	28.0	18.7	26.9	38.9	44.9	46.8	54.5	34.2	40.3
Foreign government	5.6	5.6	3.6	7.2	2.4	12.4	8.5	3.3	18.2	4.1	5.9	4.6	8.3	6.4	4.0
University	95.5	95.7	96.3	96.6	96.1	95.0	95.8	95.2	94.3	95.2	93.4	96.4	94.0	90.7	91.3
Teaching assistant	57.5	57.1	78.2	36.7	90.6	66.0	47.3	38.7	9.8	70.9	61.2	81.1	50.4	34.5	74.2
Research assistant	80.2	82.5	88.9	91.8	56.2	80.5	90.3	78.6	91.2	63.9	51.5	23.0	56.6	79.4	56.0
Other university	21.3	20.4	16.9	17.2	26.4	19.7	15.2	26.1	9.8	35.3	31.4	44.5	26.8	19.2	31.9
Other	6.5	6.1	3.1	6.6	3.8	10.0	5.7	6.8	7.2	17.7	11.0	15.6	6.8	10.0	11.4
Unknown	3.3	3.2	3.3	2.4	3.3	3.6	3.5	3.2	2.4	2.8	3.8	2.0	2.6	5.3	6.4
Median years from baccalaureate to Ph.D.															
Total time in years	9.8	9.8	9.1	10.6	9.6	9.8	10.3	9.3	10.8	10.8	11.4	12.1	11.9	10.3	10.8
Registered time	6.9	6.9	6.8	7.8	7.1	7.1	6.8	6.8	6.5	7.5	7.4	8.4	6.9	6.8	7.3

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	6,766	6,169	1,434	247	410	157	1,560	1,740	157	464	597	202	155	124	116
U.S. total: percent	93.9	94.2	92.8	97.6	96.3	95.5	94.0	95.7	91.7	89.4	91.6	90.1	93.5	94.4	88.8
Study	49.0	51.9	58.8	56.0	22.8	7.3	25.7	86.7	61.1	20.5	18.5	13.2	7.6	52.1	4.9
Employment	47.3	44.4	37.0	39.8	70.4	86.7	69.6	12.0	34.7	74.9	77.7	82.4	89.0	43.6	92.2
Unknown	3.8	3.7	4.1	4.1	6.8	6.0	4.7	1.3	4.2	4.6	3.8	4.4	3.4	4.3	2.9
Non-U.S.	2.4	2.2	2.9	0.8	1.0	0.6	1.4	1.2	4.5	7.8	5.2	5.4	5.8	1.6	7.8
Unknown location	3.6	3.7	4.3	1.6	2.1	3.8	4.6	3.2	3.8	2.8	3.2	4.5	0.6	4.0	3.4
Number with temporary visas	11,139	10,381	2,844	375	944	264	2,817	2,159	386	592	758	189	230	157	182
U.S. total: percent	79.7	80.3	80.3	78.7	77.5	76.9	78.5	88.0	74.6	71.8	71.9	66.7	73.0	80.9	68.1
Study	60.3	62.6	77.5	75.3	36.5	18.2	38.1	91.4	79.9	26.8	25.3	11.1	21.4	60.6	8.9
Employment	37.2	35.1	20.3	23.4	59.6	79.8	58.5	7.9	18.4	69.7	70.5	83.3	76.2	36.2	84.7
Unknown	2.5	2.4	2.2	1.4	4.0	2.0	3.4	0.8	1.7	3.5	4.2	5.6	2.4	3.2	6.5
Non-U.S.	6.6	6.2	5.8	7.2	7.4	8.3	5.3	3.4	12.7	15.0	12.5	18.5	11.7	6.4	12.6
Unknown location	13.7	13.5	13.9	14.1	15.0	14.8	16.3	8.7	12.7	13.2	15.6	14.8	15.2	12.7	19.2
Number planning location in the United States after Ph.D.	**15,237**	**14,145**	**3,615**	**536**	**1,127**	**353**	**3,678**	**3,564**	**432**	**840**	**1,092**	**308**	**313**	**244**	**227**
Percent with definite postdoctoral study	34.2	36.0	44.8	35.4	17.3	8.2	15.7	62.2	35.6	11.9	11.7	3.9	4.8	38.1	3.5
Percent with definite employment	21.4	20.1	13.6	15.7	35.5	53.0	30.9	5.3	11.1	36.7	37.6	41.9	32.3	23.0	55.1
Percent seeking postdoctoral study	21.4	22.2	25.8	31.2	14.4	5.4	17.4	27.0	38.0	11.8	10.2	8.4	10.2	18.4	3.5
Percent seeking employment	20.1	18.8	12.9	15.1	27.9	29.7	32.0	4.5	12.7	35.6	36.5	40.9	49.8	16.8	33.0
Percent with postdoctoral plans unknown	3.0	2.9	2.9	2.6	5.0	3.7	3.9	1.0	2.5	4.1	4.0	4.9	2.9	3.7	4.8

See explanatory information, if any, and SOURCE at end of table.

Table B-2. Statistical profile of doctorate recipients from China, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**3,255**	**2,844**	**491**	**84**	**400**	**187**	**1,138**	**188**	**48**	**308**	**411**	**129**	**101**	**56**	**125**
Primary work activity: percent															
R&D	61.2	65.6	73.9	59.5	44.0	66.3	74.8	73.9	66.7	42.5	30.4	9.3	27.7	75.0	34.4
Teaching	16.5	12.1	4.1	2.4	31.5	15.5	5.0	2.7	12.5	32.5	46.5	69.8	41.6	8.9	43.2
Administrative	1.1	0.8	0.4	4.8	0.0	0.0	0.4	1.6	0.0	2.0	3.2	0.8	5.9	1.8	4.0
Professional services	6.3	6.5	5.9	15.5	5.3	2.1	7.0	9.0	8.3	5.5	5.1	2.3	6.9	8.9	4.8
Other	2.0	2.1	2.0	1.2	1.8	0.5	2.4	3.2	0.0	2.6	1.5	1.6	2.0	0.0	1.6
Unknown	12.9	12.9	13.7	16.7	16.8	15.5	10.5	9.6	12.5	14.9	13.4	16.3	15.8	5.4	12.0
Type of employer: percent															
Educational institution[1]	36.3	30.7	12.8	19.0	70.3	35.8	14.3	46.8	33.3	58.4	74.9	93.0	75.2	26.8	77.6
Industry/business	55.3	61.1	79.8	61.9	26.0	60.4	80.2	34.6	52.1	24.0	15.3	5.4	6.9	42.9	20.0
Government	3.0	2.9	2.9	9.5	0.3	0.0	2.2	4.8	4.2	7.1	4.4	0.0	9.9	12.5	0.8
Nonprofit	3.1	2.9	2.0	6.0	1.8	1.6	1.6	12.2	8.3	4.2	4.1	0.8	6.9	14.3	0.8
Other and unknown	2.2	2.4	4.4	3.6	1.8	2.1	1.7	1.6	2.1	6.2	1.2	0.8	1.0	3.6	0.8

[1] This table includes all citizens of China who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-3. Statistical profile of doctorate recipients from Eastern Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**1,546**	**1,354**	**306**	**36**	**318**	**64**	**356**	**138**	**25**	**111**	**192**	**127**	**18**	**8**	**39**
Percent men	74.3	77.7	82.0	77.8	81.4	85.9	84.6	61.6	60.0	52.3	50.5	44.1	50.0	75.0	66.7
Percent women	25.7	22.3	18.0	22.2	18.6	14.1	15.4	38.4	40.0	47.7	49.5	55.9	50.0	25.0	33.3
Percent with permanent visa	22.6	20.5	19.0	30.6	14.5	32.8	20.5	25.4	12.0	27.0	38.0	40.2	44.4	50.0	25.6
Percent with temporary visa	77.4	79.5	81.0	69.4	85.5	67.2	79.5	74.6	88.0	73.0	62.0	59.8	55.6	50.0	74.4
Percent married	59.6	59.7	60.1	66.7	56.0	64.1	61.5	55.8	56.0	64.0	58.9	55.9	83.3	62.5	56.4
Percent not married	33.8	34.1	35.6	25.0	35.5	34.4	32.6	36.2	40.0	29.7	31.8	35.4	11.1	12.5	33.3
Percent unknown	6.6	6.2	4.2	8.3	8.5	1.6	5.9	8.0	4.0	6.3	9.4	8.7	5.6	25.0	10.3
Median age at Ph.D. in years	32.1	31.8	30.9	33.3	30.8	32.1	32.6	31.7	32.3	33.0	34.7	34.2	36.3	38.0	36.8
Percent with dependents	46.4	46.6	48.4	52.8	44.0	45.3	51.1	35.5	60.0	44.1	45.3	37.8	72.2	75.0	51.3
Percent receiving sources of support[3]															
Personal	41.3	37.7	27.8	55.6	27.0	53.1	44.9	37.0	48.0	55.9	67.2	69.3	66.7	62.5	61.5
Foreign government	1.3	1.3	1.0	0.0	0.9	1.6	1.1	2.9	8.0	0.9	1.0	0.0	0.0	0.0	5.1
University	94.8	95.6	97.4	91.7	96.9	100.0	95.2	89.9	100.0	92.8	89.1	90.6	88.9	87.5	84.6
Teaching assistant	67.0	66.5	79.7	33.3	89.0	65.6	49.4	44.9	8.0	71.2	70.8	77.2	55.6	50.0	61.5
Research assistant	66.6	72.3	86.6	80.6	46.5	87.5	86.0	68.1	100.0	50.5	26.6	19.7	44.4	37.5	38.5
Other university	26.8	24.5	19.3	30.6	32.7	21.9	17.4	20.3	12.0	45.0	43.8	45.7	16.7	50.0	48.7
Other	13.0	12.7	4.6	27.8	13.5	17.2	12.4	13.0	24.0	23.4	15.1	15.0	5.6	12.5	20.5
Unknown	3.8	3.3	2.3	5.6	2.8	0.0	3.4	5.8	0.0	6.3	6.8	6.3	5.6	12.5	7.7
Median years from baccalaureate to Ph.D.															
Total time in years	8.4	8.0	7.2	8.5	7.2	8.0	8.5	8.1	9.3	9.9	10.3	9.5	13.5	0.0	12.0
Registered time	5.8	5.6	5.5	5.5	5.2	6.4	5.5	6.2	5.3	6.2	6.9	7.0	6.8	0.0	6.6

See explanatory information, if any, and SOURCE at end of table.

Table B-3. Statistical profile of doctorate recipients from Eastern Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	350	277	58	11	46	21	73	35	3	30	73	51	8	4	10
U.S. total, percent	86.3	85.2	89.7	100.0	80.4	85.7	83.6	94.3	D	76.7	90.4	96.1	87.5	D	70.0
Study	37.8	46.6	73.1	45.5	40.5	27.8	21.3	78.8	D	30.4	6.1	2.0	28.6	D	0.0
Employment	58.6	50.0	25.0	27.3	56.8	72.2	77.0	21.2	D	60.9	89.4	91.8	71.4	D	100.0
Unknown	3.6	3.4	1.9	27.3	2.7	0.0	1.6	0.0	D	8.7	4.5	6.1	0.0	D	0.0
Non-U.S.	5.7	6.1	3.4	0.0	6.5	9.5	5.5	2.9	D	10.0	4.1	0.0	12.5	D	20.0
Unknown location	8.0	8.7	6.9	0.0	13.0	4.8	11.0	2.9	D	13.3	5.5	3.9	0.0	D	10.0
Number with temporary visas	1,196	1,077	248	25	272	43	283	103	22	81	119	76	10	4	29
U.S. total, percent	68.0	69.2	71.4	68.0	66.9	74.4	67.8	79.6	68.2	59.3	57.1	59.2	70.0	D	48.3
Study	56.1	58.8	80.8	64.7	49.5	28.1	50.0	87.8	66.7	14.6	26.5	24.4	28.6	D	28.6
Employment	42.6	40.0	19.2	35.3	49.5	71.9	49.0	11.0	33.3	77.1	70.6	71.1	71.4	D	71.4
Unknown	1.4	1.2	0.0	0.0	1.1	0.0	1.0	1.2	0.0	8.3	2.9	4.4	0.0	D	0.0
Non-U.S.	22.3	21.7	22.6	28.0	22.4	20.9	20.1	13.6	27.3	29.6	27.7	26.3	10.0	D	34.5
Unknown location	9.7	9.1	6.0	4.0	10.7	4.7	12.0	6.8	4.5	11.1	15.1	14.5	20.0	D	17.2
Number planning location in the United States after Ph.D.	**1,115**	**981**	**229**	**28**	**219**	**50**	**253**	**115**	**16**	**71**	**134**	**94**	**14**	**5**	**21**
Percent with definite postdoctoral study	36.1	39.6	59.4	32.1	33.8	22.0	27.7	61.7	37.5	15.5	10.4	8.5	28.6	D	4.8
Percent with definite employment	31.9	30.0	16.2	21.4	36.1	58.0	35.6	9.6	18.8	54.9	46.3	44.7	50.0	D	57.1
Percent seeking postdoctoral study	15.1	16.3	19.7	25.0	14.2	6.0	15.4	23.5	31.3	4.2	6.0	4.3	0.0	D	14.3
Percent seeking employment	15.0	12.4	4.4	10.7	14.6	14.0	20.2	4.3	12.5	16.9	33.6	37.2	21.4	D	23.8
Percent with postdoctoral plans unknown	2.0	1.7	0.4	10.7	1.4	0.0	1.2	0.9	0.0	8.5	3.7	5.3	0.0	D	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-3. Statistical profile of doctorate recipients from Eastern Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**356**	**294**	**37**	**6**	**79**	**29**	**90**	**11**	**3**	**39**	**62**	**42**	**7**	**1**	**12**
Primary work activity: percent															
R&D	54.5	62.9	75.7	66.7	48.1	79.3	73.3	54.5	D	43.6	14.5	11.9	28.6	D	8.3
Teaching	30.1	22.5	10.8	0.0	35.4	13.8	12.2	27.3	D	41.0	66.1	73.8	57.1	D	50.0
Administrative	0.6	0.3	2.7	0.0	0.0	0.0	0.0	0.0	D	0.0	1.6	0.0	0.0	D	8.3
Professional services	3.9	4.1	5.4	16.7	1.3	0.0	6.7	18.2	D	0.0	3.2	0.0	14.3	D	8.3
Other	2.8	3.1	2.7	16.7	1.3	0.0	4.4	0.0	D	5.1	1.6	0.0	0.0	D	8.3
Unknown	8.2	7.1	2.7	0.0	13.9	6.9	3.3	0.0	D	10.3	12.9	14.3	0.0	D	16.7
Type of employer: percent															
Educational institution[4]	58.7	51.7	18.9	33.3	84.8	58.6	25.6	45.5	D	76.9	91.9	92.9	100.0	D	83.3
Industry/business	35.4	41.8	73.0	50.0	15.2	37.9	68.9	36.4	D	7.7	4.8	4.8	0.0	D	8.3
Government	2.3	2.4	2.7	16.7	0.0	0.0	4.4	0.0	D	2.6	1.6	0.0	0.0	D	8.3
Nonprofit	2.5	2.7	5.4	0.0	0.0	3.4	1.1	18.2	D	2.6	1.6	2.4	0.0	D	0.0
Other and unknown	1.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	D	10.3	0.0	0.0	0.0	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes Albania, Bulgaria, Czechoslovakia, Czech Republic, Slovakia, Hungary, Poland, Romania, U.S.S.R., Russia, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Moldova, Tadjikistan, Turkmenistan, Ukraine, Uzbekistan, Yugoslavia, Bosnia-Herzogovina, Croatia, Macedonia, Serbia-Montenegro, Slovenia, and unspecified Eastern European countries.

[2] This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-4. Statistical profile of doctorate recipients from France, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**951**	**653**	**144**	**27**	**29**	**30**	**224**	**77**	**25**	**97**	**298**	**241**	**16**	**14**	**27**
Percent men	62.6	76.1	70.1	85.2	79.3	80.0	87.9	55.8	80.0	68.0	32.9	28.2	31.3	57.1	63.0
Percent women	37.4	23.9	29.9	14.8	20.7	20.0	12.1	44.2	20.0	32.0	67.1	71.8	68.8	42.9	37.0
Percent with permanent visa	29.5	19.6	12.5	18.5	17.2	26.7	15.2	23.4	20.0	36.1	51.3	54.8	62.5	14.3	33.3
Percent with temporary visa	70.5	80.4	87.5	81.5	82.8	73.3	84.8	76.6	80.0	63.9	48.7	45.2	37.5	85.7	66.7
Percent married	42.3	38.6	23.6	40.7	41.4	43.3	39.3	41.6	48.0	51.5	50.3	49.8	37.5	50.0	63.0
Percent not married	52.9	56.7	71.5	48.1	55.2	43.3	57.6	55.8	48.0	42.3	44.6	44.8	56.3	42.9	37.0
Percent unknown	4.8	4.7	4.9	11.1	3.4	13.3	3.1	2.6	4.0	6.2	5.0	5.4	6.3	7.1	0.0
Median age at Ph.D. in years	30.1	28.9	28.2	30.2	29.2	30.7	28.2	30.2	30.3	32.3	33.6	33.8	36.0	30.5	30.6
Percent with dependents	27.7	25.1	11.8	40.7	34.5	30.0	25.4	23.4	20.0	38.1	33.2	31.1	43.8	42.9	40.7
Percent receiving sources of support[2]															
Personal	60.8	53.0	46.5	40.7	51.7	66.7	49.6	54.5	72.0	63.9	77.9	75.9	75.0	85.7	92.6
Foreign government	10.2	13.0	10.4	11.1	13.8	10.0	17.0	9.1	12.0	12.4	4.0	2.9	0.0	21.4	7.4
University	89.6	88.4	88.9	88.9	93.1	83.3	92.9	88.3	68.0	82.5	92.3	93.4	68.8	92.9	96.3
Teaching assistant	61.5	52.7	66.7	37.0	72.4	46.7	44.2	46.8	16.0	66.0	80.9	88.4	37.5	50.0	55.6
Research assistant	55.0	71.1	74.3	77.8	37.9	70.0	86.2	71.4	60.0	42.3	19.8	11.6	31.3	71.4	59.3
Other university	23.3	18.8	14.6	25.9	17.2	26.7	10.3	18.2	12.0	43.3	33.2	34.9	25.0	28.6	25.9
Other	18.0	19.9	16.7	25.9	34.5	30.0	14.3	22.1	20.0	26.8	13.8	12.4	18.8	21.4	18.5
Unknown	3.3	3.8	4.9	7.4	3.4	3.3	1.8	2.6	8.0	6.2	2.0	2.1	0.0	7.1	0.0
Median years from baccalaureate to Ph.D.															
Total time in years	7.4	6.3	5.9	6.9	6.4	7.5	5.3	7.0	7.3	9.5	10.3	10.3	12.5	7.5	8.4
Registered time	6.2	5.5	5.4	4.8	6.4	6.5	4.8	6.0	5.8	7.6	8.0	8.0	8.6	4.5	6.9

See explanatory information, if any, and SOURCE at end of table.

Table B-4. Statistical profile of doctorate recipients from France, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	281	128	18	5	5	8	34	18	5	35	153	132	10	2	9
U.S. total: percent	75.8	70.3	61.1	D	D	87.5	79.4	77.8	D	65.7	80.4	81.1	80.0	D	66.7
Study	21.1	38.9	72.7	D	D	28.6	25.9	78.6	D	21.7	8.1	5.6	12.5	D	16.7
Employment	77.0	61.1	27.3	D	D	71.4	74.1	21.4	D	78.3	88.6	91.6	75.0	D	83.3
Unknown	1.9	0.0	0.0	D	D	0.0	0.0	0.0	D	0.0	3.3	2.8	12.5	D	0.0
Non-U.S.	11.4	20.3	27.8	D	D	0.0	17.6	11.1	D	22.9	3.9	3.0	0.0	D	22.2
Unknown location	12.8	9.4	11.1	D	D	12.5	2.9	11.1	D	11.4	15.7	15.9	20.0	D	11.1
Number with temporary visas	670	525	126	22	24	22	190	59	20	62	145	109	6	12	18
U.S. total: percent	40.7	35.2	31.7	31.8	29.2	45.5	35.8	39.0	35.0	37.1	60.7	63.3	83.3	33.3	55.6
Study	37.7	49.7	65.0	57.1	28.6	20.0	44.1	82.6	57.1	21.7	12.5	10.1	20.0	75.0	0.0
Employment	60.8	48.1	30.0	28.6	71.4	80.0	54.4	17.4	42.9	78.3	87.5	89.9	80.0	25.0	100.0
Unknown	1.5	2.2	5.0	14.3	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-U.S.	45.1	50.1	55.6	59.1	45.8	45.5	46.3	49.2	50.0	51.6	26.9	22.9	16.7	41.7	44.4
Unknown location	14.2	14.7	12.7	9.1	25.0	9.1	17.9	11.9	15.0	11.3	12.4	13.8	0.0	25.0	0.0
Number planning location in the United States after Ph.D.	**486**	**275**	**51**	**10**	**10**	**17**	**95**	**37**	**9**	**46**	**211**	**176**	**13**	**6**	**16**
Percent with definite postdoctoral study	19.3	30.9	52.9	40.0	20.0	23.5	22.1	54.1	22.2	10.9	4.3	2.8	0.0	50.0	6.3
Percent with definite employment	46.9	34.9	15.7	30.0	60.0	58.8	36.8	8.1	33.3	60.9	62.6	63.6	46.2	16.7	81.3
Percent seeking postdoctoral study	11.1	15.3	13.7	10.0	10.0	0.0	16.8	27.0	22.2	10.9	5.7	4.5	15.4	33.3	0.0
Percent seeking employment	21.0	17.5	13.7	10.0	10.0	17.6	23.2	10.8	22.2	17.4	25.6	27.3	30.8	0.0	12.5
Percent with postdoctoral plans unknown	1.6	1.5	3.9	10.0	0.0	0.0	1.1	0.0	0.0	0.0	1.9	1.7	7.7	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-4. Statistical profile of doctorate recipients from France, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**228**	**96**	**8**	**3**	**6**	**10**	**35**	**3**	**3**	**28**	**132**	**112**	**6**	**1**	**13**
Primary work activity: percent															
R&D	35.1	63.5	75.0	D	50.0	60.0	82.9	D	D	42.9	14.4	10.7	1.0	D	46.2
Teaching	50.4	24.0	25.0	D	16.7	30.0	8.6	D	D	46.4	69.7	75.0	66.7	D	30.8
Administrative	0.9	1.0	0.0	D	0.0	0.0	0.0	D	D	0.0	0.8	0.0	16.7	D	0.0
Professional services	3.1	6.3	0.0	D	0.0	10.0	2.9	D	D	7.1	0.8	0.0	0.0	D	7.7
Other	1.8	1.0	0.0	D	0.0	0.0	2.9	D	D	0.0	2.3	2.7	0.0	D	0.0
Unknown	8.8	4.2	0.0	D	33.3	0.0	2.9	D	D	3.6	12.1	11.6	16.7	D	15.4
Type of employer: percent															
Educational institution[3]	71.5	41.7	25.0	D	83.3	50.0	17.1	D	D	71.4	93.2	94.6	83.3	D	92.3
Industry/business	21.1	45.8	75.0	D	16.7	40.0	74.3	D	D	7.1	3.0	1.8	1.0	D	7.7
Government	3.9	7.3	0.0	D	0.0	10.0	5.7	D	D	10.7	1.5	1.8	0.0	D	0.0
Nonprofit	1.3	2.1	0.0	D	0.0	0.0	2.9	D	D	0.0	0.8	0.9	0.0	D	0.0
Other and unknown	2.2	3.1	0.0	D	0.0	0.0	0.0	D	D	10.7	1.5	0.9	16.7	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of France who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-5. Statistical profile of doctorate recipients from Germany[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**1,845**	**1,283**	**287**	**69**	**123**	**76**	**174**	**220**	**27**	**307**	**562**	**428**	**45**	**24**	**65**
Percent men	65.6	74.4	88.2	91.3	75.6	84.2	93.7	58.2	70.4	55.7	45.6	43.5	40.0	41.7	64.6
Percent women	34.4	25.6	11.8	8.7	24.4	15.8	6.3	41.8	29.6	44.3	54.4	56.5	60.0	58.3	35.4
Percent with permanent visa	33.2	28.0	21.6	18.8	16.3	22.4	23.6	35.9	37.0	38.1	45.0	45.6	60.0	25.0	38.5
Percent with temporary visa	66.8	72.0	78.4	81.2	83.7	77.6	76.4	64.1	63.0	61.9	55.0	54.4	40.0	75.0	61.5
Percent married	39.2	37.1	27.9	39.1	35.8	38.2	39.1	39.5	44.4	42.0	44.1	45.3	40.0	37.5	41.5
Percent not married	55.1	57.8	68.3	56.5	59.4	55.3	57.5	54.1	48.1	52.1	48.8	48.4	51.1	50.0	49.2
Percent unknown	5.7	5.1	3.8	4.3	4.9	6.6	3.4	6.4	7.4	5.9	7.1	6.3	8.9	12.5	9.2
Median age at Ph.D. in years	31.5	30.8	29.8	32.1	29.7	30.4	30.4	31.5	32.0	31.6	33.6	33.6	38.0	35.8	32.1
Percent with dependents	22.4	20.4	13.6	17.4	15.4	27.6	23.0	24.5	22.2	23.1	27.0	25.2	31.1	33.3	33.8
Percent receiving sources of support[3]															
Personal	66.3	60.5	47.7	66.7	59.4	56.6	59.8	57.3	59.3	75.2	79.5	79.2	86.7	75.0	78.5
Foreign government	13.4	13.8	11.2	21.7	19.5	14.5	9.2	10.5	14.8	16.9	12.5	11.4	6.7	37.5	13.8
University	91.7	93.1	95.5	94.2	97.6	86.8	95.4	93.2	92.6	89.3	88.4	92.1	71.1	75.0	81.5
Teaching assistant	65.0	59.6	64.5	56.5	90.2	55.3	36.8	47.7	22.2	69.1	77.4	84.8	46.7	41.7	63.1
Research assistant	57.9	71.4	86.4	82.6	48.0	75.0	89.1	70.5	85.2	52.8	27.2	21.7	37.8	41.7	50.8
Other university	30.0	26.3	17.1	30.4	28.5	19.7	10.3	29.1	40.7	40.4	38.4	41.8	26.7	25.0	29.2
Other	19.1	20.3	16.0	14.5	17.1	28.9	23.0	22.7	11.1	22.2	16.4	16.8	11.1	20.8	15.4
Unknown	3.1	3.1	3.1	4.3	1.6	3.9	2.3	2.7	7.4	3.6	3.2	2.1	6.7	4.2	7.7
Median years from baccalaureate to Ph.D.															
Total time in years	7.1	6.7	6.3	7.1	6.4	6.9	6.1	6.9	7.6	7.0	9.3	9.3	11.9	8.0	8.0
Registered time	6.4	6.1	5.9	6.9	6.0	6.0	5.2	6.3	6.6	6.3	7.8	7.9	8.2	5.2	6.5

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Statistical profile of doctorate recipients from Germany[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	612	359	62	13	20	17	41	79	10	117	253	195	27	6	25
U.S. total, percent	81.1	79.4	71.0	84.6	85.0	94.1	70.7	82.3	70.0	82.1	83.4	85.1	85.2	83.3	68.0
Study	26.2	39.0	52.3	36.4	23.5	25.0	13.8	78.5	57.1	17.7	9.0	7.2	8.7	40.0	17.6
Employment	70.4	59.0	40.9	63.6	70.6	75.0	86.2	20.0	42.9	81.3	85.8	86.7	87.0	60.0	82.4
Unknown	3.4	2.1	6.8	0.0	5.9	0.0	0.0	1.5	0.0	1.0	5.2	6.0	4.3	0.0	0.0
Non-U.S.	9.6	12.8	22.6	7.7	15.0	0.0	24.4	10.1	20.0	6.8	5.1	3.6	3.7	16.7	16.0
Unknown location	9.3	7.8	6.5	7.7	0.0	5.9	4.9	7.6	10.0	11.1	11.5	11.3	11.1	0.0	16.0
Number with temporary visas	1,233	924	225	56	103	59	133	141	17	190	309	233	18	18	40
U.S. total, percent	47.8	46.4	43.1	42.9	42.7	57.6	48.9	50.4	47.1	45.3	51.8	57.9	38.9	50.0	22.5
Study	46.5	59.0	87.6	75.0	29.5	29.4	44.6	97.2	75.0	26.7	13.1	12.6	14.3	33.3	0.0
Employment	52.0	39.6	11.3	20.8	68.2	70.6	53.8	2.8	25.0	70.9	85.0	85.2	85.7	66.7	100.0
Unknown	1.5	1.4	1.0	4.2	2.3	0.0	1.5	0.0	0.0	2.3	1.9	2.2	0.0	0.0	0.0
Non-U.S.	41.8	43.2	46.2	50.0	43.7	23.7	39.9	42.6	41.2	46.3	37.5	33.0	33.3	44.4	62.5
Unknown location	10.5	10.4	10.7	7.1	13.6	18.6	11.3	7.1	11.8	8.4	10.7	9.0	27.8	5.6	15.0
Number planning location in the United States after Ph.D.	**1,085**	**714**	**141**	**35**	**61**	**50**	**94**	**136**	**15**	**182**	**371**	**301**	**30**	**14**	**26**
Percent with definite postdoctoral study	28.2	39.9	64.5	45.7	23.0	24.0	20.2	70.6	46.7	16.5	5.7	4.7	10.0	14.3	7.7
Percent with definite employment	40.1	32.9	12.1	20.0	54.1	48.0	38.3	6.6	26.7	57.7	53.9	53.2	46.7	42.9	76.9
Percent seeking postdoctoral study	9.0	11.1	12.1	17.1	4.9	4.0	14.9	17.6	20.0	5.5	5.1	5.0	0.0	21.4	3.8
Percent seeking employment	20.3	14.4	8.5	14.3	14.8	24.0	25.5	4.4	6.7	18.7	31.5	32.9	40.0	21.4	11.5
Percent with postdoctoral plans unknown	2.4	1.7	2.8	2.9	3.3	0.0	1.1	0.7	0.0	1.6	3.8	4.3	3.3	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Statistical profile of doctorate recipients from Germany[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	435	235	17	7	33	24	36	9	4	105	200	160	14	6	20
Primary work activity: percent															
R&D	38.9	55.3	76.5	71.4	42.4	62.5	77.8	33.3	D	46.7	19.5	14.4	7.1	83.3	50.0
Teaching	44.6	27.2	5.9	0.0	54.5	29.2	8.3	33.3	D	29.5	65.0	69.4	71.4	16.7	40.0
Administrative	1.8	1.7	5.9	0.0	0.0	0.0	0.0	11.1	D	1.9	2.0	1.3	14.3	0.0	0.0
Professional services	4.8	7.7	0.0	14.3	3.0	4.2	11.1	11.1	D	9.5	1.5	1.3	7.1	0.0	0.0
Other	1.4	2.1	0.0	0.0	0.0	0.0	2.8	0.0	D	3.8	0.5	0.6	0.0	0.0	0.0
Unknown	8.5	6.0	11.8	14.3	0.0	4.2	0.0	11.1	D	8.6	11.5	13.1	0.0	0.0	10.0
Type of employer: percent															
Educational institution[4]	76.3	60.9	17.6	14.3	93.9	70.8	25.0	55.6	D	72.4	94.5	95.6	100.0	66.7	90.0
Industry/business	16.3	28.1	76.5	85.7	6.1	29.2	66.7	44.4	D	8.6	2.5	1.3	0.0	16.7	10.0
Government	2.5	3.8	5.9	0.0	0.0	0.0	5.6	0.0	D	4.8	1.0	1.3	0.0	0.0	0.0
Nonprofit	1.8	3.0	0.0	0.0	0.0	0.0	2.8	0.0	D	4.8	0.5	0.0	0.0	16.7	0.0
Other and unknown	3.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	D	9.5	1.5	1.9	0.0	0.0	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes East Germany, West Germany, and the united Germany.

[2] This table includes all citizens of Germany who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-6. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**1,499**	**1,343**	**241**	**19**	**107**	**86**	**546**	**108**	**29**	**207**	**156**	**57**	**29**	**20**	**50**
Percent men	80.1	82.9	85.5	78.9	86.9	87.2	88.1	72.2	86.2	67.6	55.8	35.1	51.7	55.0	82.0
Percent women	20.0	17.1	14.5	21.1	13.1	12.8	11.9	27.8	13.8	32.4	44.2	64.9	48.3	45.0	18.0
Percent with permanent visa	16.7	15.2	15.4	21.1	12.2	4.7	11.7	17.6	10.3	29.0	30.1	29.8	34.5	15.0	34.0
Percent with temporary visa	83.3	84.8	84.6	78.9	87.9	95.3	88.3	82.4	89.7	71.0	69.9	70.2	65.5	85.0	66.0
Percent married	36.0	35.6	31.5	52.6	31.8	22.1	35.3	34.3	62.1	44.0	39.1	43.9	37.9	30.0	38.0
Percent not married	57.8	58.6	62.2	47.4	61.7	66.3	59.0	63.9	34.5	50.2	51.3	49.1	62.1	45.0	50.0
Percent unknown	6.2	5.8	6.2	0.0	6.5	11.6	5.7	1.9	3.4	5.8	9.6	7.0	0.0	25.0	12.0
Median age at Ph.D. in years	29.7	29.5	29.2	30.9	29.0	29.2	29.1	30.4	30.7	31.2	31.5	31.5	32.3	29.8	31.4
Percent with dependents	19.9	19.4	17.4	31.6	14.0	10.5	20.9	16.7	44.8	20.8	24.4	21.1	31.0	10.0	30.0
Percent receiving sources of support[2]															
Personal	54.5	53.8	43.6	52.6	41.1	53.5	51.8	53.7	58.6	77.3	60.3	57.9	79.3	40.0	60.0
Foreign government	2.9	2.8	0.8	0.0	0.9	0.0	2.7	3.7	17.2	5.3	3.2	1.8	10.3	0.0	2.0
University	94.3	95.7	95.9	89.5	98.1	94.2	96.7	97.2	93.1	92.3	82.7	86.0	79.3	85.0	80.0
Teaching assistant	64.2	64.5	76.3	36.8	91.6	73.3	57.1	45.4	17.2	71.5	62.2	73.7	55.2	65.0	52.0
Research assistant	73.5	77.4	87.1	89.5	60.7	82.6	86.6	76.9	93.1	44.9	40.4	17.5	55.2	50.0	54.0
Other university	24.6	23.5	14.9	10.5	32.7	18.6	20.7	26.9	17.2	38.6	33.3	47.4	20.7	35.0	24.0
Other	11.2	10.4	6.6	21.1	7.5	10.5	9.3	15.7	10.3	15.0	18.6	21.1	20.7	10.0	18.0
Unknown	3.5	3.0	4.1	5.3	1.9	4.7	3.1	0.9	3.4	1.9	8.3	12.3	0.0	15.0	6.0
Median years from baccalaureate to Ph.D.															
Total time in years	6.7	6.5	6.5	7.8	6.1	6.4	5.9	7.3	7.8	8.0	8.4	8.5	9.1	7.7	8.4
Registered time	5.9	5.8	5.9	7.6	5.7	5.8	5.4	6.2	5.9	6.8	7.0	7.0	7.0	6.3	7.3

See explanatory information, if any, and SOURCE at end of table.

Table B-6. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	251	204	37	4	13	4	64	19	3	60	47	17	10	3	17
U.S. total: percent	74.1	76.0	64.9	D	76.9	D	78.1	73.7	D	80.0	66.0	76.5	40.0	D	76.5
Study	33.3	38.7	66.7	D	60.0	D	26.0	64.3	D	29.2	6.5	15.4	0.0	D	0.0
Employment	64.5	59.4	29.2	D	40.0	D	74.0	28.6	D	68.8	90.3	76.9	100.0	D	100.0
Unknown	2.2	1.9	4.2	D	0.0	D	0.0	7.1	D	2.1	3.2	7.7	0.0	D	0.0
Non-U.S.	12.0	10.8	18.9	D	15.4	D	7.8	21.1	D	5.0	17.0	0.0	40.0	D	17.6
Unknown location	13.9	13.2	16.2	D	7.7	D	14.1	5.3	D	15.0	17.0	23.5	20.0	D	5.9
Number with temporary visas	1,248	1,139	204	15	94	82	482	89	26	147	109	40	19	17	33
U.S. total: percent	47.8	48.7	45.6	40.0	51.1	56.1	50.4	59.6	26.9	40.1	38.5	35.0	36.8	41.2	42.4
Study	46.2	47.8	81.7	66.7	35.4	30.4	36.2	92.5	71.4	20.3	26.2	21.4	28.6	14.3	35.7
Employment	52.1	50.6	17.2	33.3	60.4	67.4	62.6	7.5	28.6	76.3	71.4	71.4	71.4	85.7	64.3
Unknown	1.7	1.6	1.1	0.0	4.2	2.2	1.2	0.0	0.0	3.4	2.4	7.1	0.0	0.0	0.0
Non-U.S.	37.5	36.3	36.3	40.0	39.4	36.6	30.5	32.6	65.4	49.7	50.5	45.0	52.6	52.9	54.5
Unknown location	14.7	15.0	18.1	20.0	9.6	7.3	19.1	7.9	7.7	10.2	11.0	20.0	10.5	5.9	3.0
Number planning location in the United States after Ph.D.	**783**	**710**	**117**	**8**	**58**	**50**	**293**	**67**	**10**	**107**	**73**	**27**	**11**	**8**	**27**
Percent with definite postdoctoral study	30.0	32.0	60.7	25.0	29.3	22.0	20.5	62.7	60.0	16.8	11.0	18.5	9.1	12.5	3.7
Percent with definite employment	38.8	37.6	13.7	50.0	43.1	48.0	47.1	10.4	10.0	48.6	50.7	55.6	27.3	50.0	55.6
Percent seeking postdoctoral study	13.2	13.8	17.9	25.0	10.3	8.0	14.0	23.9	0.0	7.5	6.8	0.0	9.1	0.0	14.8
Percent seeking employment	16.2	14.9	6.0	0.0	13.8	20.0	17.4	1.5	30.0	24.3	28.8	18.5	54.5	37.5	25.9
Percent with postdoctoral plans unknown	1.8	1.7	1.7	0.0	3.4	2.0	1.0	1.5	0.0	2.8	2.7	7.4	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-5. Statistical profile of doctorate recipients from Greece, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	304	267	16	4	25	24	138	7	1	52	37	15	3	4	15
Primary work activity: percent															
R&D	53.6	57.3	62.5	D	40.0	70.8	65.2	85.7	D	28.8	27.0	13.3	D	D	33.3
Teaching	29.0	27.0	0.0	D	40.0	25.0	21.0	14.3	D	50.0	43.2	53.3	D	D	40.0
Administrative	0.7	0.8	0.0	D	0.0	0.0	0.0	0.0	D	3.8	0.0	0.0	D	D	0.0
Professional services	5.3	4.9	25.0	D	4.0	0.0	3.6	0.0	D	5.8	8.1	6.7	D	D	13.3
Other	1.6	1.5	0.0	D	0.0	4.2	0.7	0.0	D	3.8	2.7	6.7	D	D	0.0
Unknown	9.9	8.6	12.5	D	16.0	0.0	9.4	0.0	D	7.7	18.9	20.0	D	D	13.3
Type of employer: percent															
Educational institution[3]	58.2	55.4	6.3	D	88.0	50.0	46.4	85.7	D	78.8	78.4	86.7	D	D	73.3
Industry/business	37.8	41.2	93.8	D	12.0	50.0	50.7	14.3	D	11.5	13.5	6.7	D	D	13.3
Government	1.0	1.1	0.0	D	0.0	0.0	1.4	0.0	D	1.9	0.0	0.0	D	D	0.0
Nonprofit	1.0	0.4	0.0	D	0.0	0.0	0.7	0.0	D	0.0	5.4	6.7	D	D	6.7
Other and unknown	2.0	1.9	0.0	D	0.0	0.0	0.7	0.0	D	7.7	2.7	0.0	D	D	6.7

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of Greece who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**9,537**	**7,843**	**1,069**	**94**	**261**	**747**	**3,700**	**971**	**176**	**825**	**1,694**	**229**	**154**	**267**	**1,044**
Percent men	80.0	81.9	77.4	83.0	69.7	93.0	95.2	53.3	79.5	56.1	71.4	37.6	36.4	70.4	84.2
Percent women	20.0	18.1	22.6	17.0	30.3	7.0	4.8	46.7	20.5	43.9	28.6	62.4	63.6	29.6	15.8
Percent with permanent visa	17.2	15.8	15.4	16.0	17.2	14.6	12.5	24.2	14.2	21.5	24.1	32.8	35.1	18.0	22.1
Percent with temporary visa	82.8	84.3	84.6	84.0	82.8	85.4	87.5	75.8	85.8	78.5	75.9	67.2	64.9	82.0	77.9
Percent married	51.0	49.6	48.4	57.4	44.4	49.1	48.0	52.5	63.6	53.3	57.6	50.2	66.9	47.6	60.3
Percent not married	41.7	43.3	43.8	39.4	48.7	44.8	45.4	40.3	28.4	37.9	34.2	38.9	26.6	41.9	32.3
Percent unknown	7.3	7.1	7.9	3.2	6.9	6.0	6.7	7.2	8.0	8.7	8.3	10.9	6.5	10.5	7.4
Median age at Ph.D. in years	30.0	29.7	29.8	31.4	29.5	29.3	29.2	30.2	32.0	31.4	32.1	33.7	37.5	30.0	32.2
Percent with dependents	37.0	35.7	31.4	44.7	25.3	39.2	38.4	30.8	55.1	29.9	43.0	24.5	45.5	34.1	49.0
Percent receiving sources of support[2]															
Personal	34.2	30.4	19.0	39.4	20.3	27.6	29.2	33.8	39.8	49.2	51.6	53.7	70.1	43.8	50.4
Foreign government	0.9	0.8	0.0	3.2	0.4	0.8	0.7	0.8	3.4	2.2	1.0	1.3	3.9	0.7	0.6
University	94.2	94.7	95.5	93.6	95.8	96.1	94.7	95.3	89.2	92.4	92.0	93.9	81.2	90.3	93.6
Teaching assistant	65.4	64.3	81.1	52.1	90.4	80.6	56.3	54.1	24.4	77.0	70.5	83.0	42.2	63.3	73.9
Research assistant	74.4	78.8	82.0	87.2	49.4	83.8	87.5	66.0	80.1	54.1	54.0	16.2	44.2	62.9	61.5
Other university	21.6	19.9	13.5	19.1	21.5	20.5	17.0	26.5	13.6	33.5	29.8	40.2	31.2	21.7	29.3
Other	8.0	7.8	4.0	10.6	3.8	10.8	6.5	8.7	17.0	13.6	9.1	12.2	14.3	9.0	7.7
Unknown	4.1	4.0	4.1	2.1	3.4	2.8	4.2	3.4	3.4	5.1	4.7	3.9	3.9	7.9	4.1
Median years from baccalaureate to Ph.D.															
Total time in years	8.4	8.0	9.0	10.6	8.8	7.4	7.2	9.0	10.0	10.3	10.8	11.8	16.9	8.2	10.9
Registered time	6.8	6.7	7.6	8.2	7.6	6.4	6.1	7.4	7.2	8.0	7.3	9.0	7.9	6.8	7.2

See explanatory information, if any, and SOURCE at end of table.

Table B-7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,643	1,235	165	15	45	109	464	235	25	177	408	75	54	48	231
U.S. total: percent	86.9	87.4	89.1	86.7	91.1	93.6	84.5	88.1	92.0	87.0	85.3	77.3	88.9	85.4	87.0
Study	28.8	35.7	50.3	38.5	17.1	7.8	19.6	86.5	43.5	16.2	7.5	10.3	12.5	19.5	3.0
Employment	68.1	61.6	44.9	61.5	80.5	89.2	79.1	12.1	56.5	77.3	88.2	86.2	81.3	73.2	93.5
Unknown	3.1	2.7	4.8	0.0	2.4	2.9	1.3	1.4	0.0	6.5	4.3	3.4	6.3	7.3	3.5
Non-U.S.	2.9	2.8	1.8	0.0	6.7	2.8	2.4	3.0	0.0	4.5	3.2	2.7	1.9	0.0	4.3
Unknown location	10.2	9.8	9.1	13.3	2.2	3.7	13.2	8.9	8.0	8.5	11.5	20.0	9.3	14.6	8.7
Number with temporary visas	7,894.0	6,608.0	904.0	79.0	216.0	638.0	3,236.0	736.0	151.0	648.0	1,286.0	154.0	100.0	219.0	813.0
U.S. total: percent	77	78	74	70	71	83	80	86	72	61	75	58	54	79	79
Study	38.8	43.9	77.9	65.5	21.6	18.2	33.0	90.7	70.6	15.4	11.7	14.4	18.5	43.0	2.3
Employment	59.5	54.6	20.7	32.7	75.8	79.9	65.4	8.2	29.4	83.3	85.6	81.1	77.8	54.1	95.4
Unknown	1.7	1.5	1.3	1.8	2.6	1.9	1.6	1.1	0.0	1.3	2.7	4.4	3.7	2.9	2.3
Non-U.S.	12.9	12.4	14.3	20.3	16.2	11.0	9.5	7.6	19.2	26.9	15.6	31.2	27.0	5.9	13.8
Unknown location	10.1	10.1	11.5	10.1	13.0	6.4	10.8	6.5	8.6	12.2	9.7	10.4	19.0	15.5	6.9
Number planning location in the United States after Ph.D.	**7,509**	**6,200**	**818**	**68**	**194**	**629**	**2,971**	**839**	**132**	**549**	**1,309**	**148**	**102**	**213**	**846**
Percent with definite postdoctoral study	25.5	29.5	56.6	36.8	13.9	12.6	19.6	65.9	35.6	9.7	6.3	4.7	4.9	27.2	1.5
Percent with definite employment	44.6	39.7	15.3	30.9	51.5	64.9	47.4	6.0	20.5	59.0	67.6	54.1	43.1	39.4	80.0
Percent seeking postdoctoral study	11.5	13.0	16.4	23.5	6.7	4.0	11.7	23.7	30.3	6.0	4.2	8.1	10.8	11.3	1.0
Percent seeking employment	16.5	16.1	9.8	7.4	25.3	16.5	19.8	3.2	13.6	22.6	18.7	29.1	36.3	18.3	14.9
Percent with postdoctoral plans unknown	2.0	1.7	2.0	1.5	2.6	2.1	1.6	1.2	0.0	2.7	3.1	4.1	4.9	3.8	2.6

See explanatory information, if any, and SOURCE at end of table

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Table B-7. Statistical profile of doctorate recipients from India, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**3,348**	**2,463**	**125**	**21**	**100**	**408**	**1,408**	**50**	**27**	**324**	**885**	**80**	**44**	**84**	**677**
Primary work activity: percent															
R&D	59.6	66.3	80.0	38.1	47.0	71.1	72.5	50.0	48.1	40.1	40.8	7.5	18.2	66.7	43.0
Teaching	22.8	14.6	7.2	9.5	33.0	18.6	8.9	16.0	3.7	32.4	45.5	81.3	63.6	14.3	44.0
Administrative	0.7	0.7	0.8	0.0	2.0	0.2	0.4	2.0	3.7	1.2	0.8	0.0	2.3	1.2	0.7
Professional services	5.8	7.0	3.2	19.0	7.0	2.7	7.9	12.0	22.2	7.4	2.3	1.3	2.3	3.6	2.2
Other	2.1	2.5	0.0	4.8	1.0	1.0	2.8	0.0	3.7	4.9	0.8	0.0	4.5	2.4	0.4
Unknown	9.1	8.9	8.8	28.6	10.0	6.4	7.5	20.0	18.5	13.9	9.8	10.0	9.1	11.9	9.6
Type of employer: percent															
Educational institution[3]	44.0	30.2	18.4	33.3	63.0	39.5	17.3	38.0	18.5	68.5	82.3	98.8	81.8	22.6	87.7
Industry/business	50.7	63.5	75.2	47.6	35.0	58.6	78.4	48.0	66.7	12.7	14.8	1.3	11.4	72.6	9.5
Government	1.8	2.0	3.2	9.5	0.0	1.0	1.5	6.0	3.7	4.6	1.0	0.0	4.5	2.4	0.7
Nonprofit	2.0	2.4	2.4	4.8	2.0	1.0	2.0	6.0	3.7	4.9	0.9	0.0	2.3	2.4	0.7
Other and unknown	1.6	1.9	0.8	4.8	0.0	0.0	0.8	2.0	7.4	9.3	1.0	0.0	0.0	0.0	1.3

[1] This table includes all citizens of India who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**883**	**658**	**119**	**20**	**113**	**28**	**96**	**64**	**10**	**208**	**225**	**182**	**9**	**12**	**22**
Percent men	65.1	72.8	80.7	50.0	71.7	82.1	94.8	51.6	80.0	65.9	42.7	38.5	44.4	66.7	63.6
Percent women	34.9	27.2	19.3	50.0	28.3	17.9	5.2	48.4	20.0	34.1	57.3	61.5	55.6	33.3	36.4
Percent with permanent visa	21.6	16.1	10.9	30.0	6.2	14.3	13.5	39.1	0.0	18.3	37.8	39.0	55.6	25.0	27.3
Percent with temporary visa	78.4	83.9	89.1	70.0	93.8	85.7	86.5	60.9	100.0	81.7	62.2	61.0	44.4	75.0	72.7
Percent married	40.2	38.5	33.6	40.0	33.6	32.1	39.6	51.6	60.0	38.9	45.3	44.0	44.4	58.3	50.0
Percent not married	53.8	56.1	60.5	55.0	62.8	60.7	59.4	42.2	20.0	53.8	47.1	48.9	44.4	25.0	45.5
Percent unknown	6.0	5.5	5.9	5.0	3.5	7.1	1.0	6.3	20.0	7.2	7.6	7.1	11.1	16.7	4.5
Median age at Ph.D. in years	32.0	31.3	30.5	32.7	30.3	31.0	31.7	31.3	35.7	32.3	35.4	34.9	45.5	37.5	34.3
Percent with dependents	23.6	22.3	16.0	20.0	14.2	28.6	28.1	32.8	60.0	22.1	27.1	24.7	44.4	33.3	36.4
Percent receiving sources of support[2]															
Personal	60.1	53.8	45.4	65.0	30.1	42.9	59.4	65.6	40.0	66.3	78.7	78.0	88.9	83.3	77.3
Foreign government	19.4	23.3	10.1	20.0	38.9	14.3	17.7	10.9	60.0	28.4	8.0	7.7	0.0	16.7	9.1
University	90.1	91.3	96.6	100.0	93.8	92.9	96.9	78.1	70.0	88.5	86.7	89.6	55.6	75.0	81.8
Teaching assistant	63.6	61.9	68.1	40.0	84.1	50.0	44.8	37.5	20.0	67.3	68.9	78.0	44.4	16.7	31.8
Research assistant	52.3	62.2	85.7	95.0	50.4	78.6	86.5	56.3	60.0	40.4	23.6	18.1	22.2	58.3	50.0
Other university	31.9	28.3	27.7	20.0	26.5	17.9	11.5	32.8	10.0	38.9	42.7	46.2	33.3	16.7	31.8
Other	22.4	23.4	11.8	20.0	14.2	32.1	11.5	31.3	10.0	38.0	19.6	18.7	33.3	16.7	22.7
Unknown	3.4	2.7	3.4	0.0	4.4	3.6	0.0	3.1	20.0	1.9	5.3	5.5	0.0	16.7	0.0
Median years from baccalaureate to Ph.D.															
Total time in years	7.3	7.0	6.3	7.5	6.1	7.4	6.8	6.9	9.4	7.8	9.7	9.3	16.7	10.8	9.8
Registered time	5.8	5.5	5.1	6.2	4.9	5.4	5.1	5.9	5.0	5.8	7.0	7.0	7.8	7.4	5.7

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	191	106	13	6	7	4	13	25	0	38	85	71	5	3	6
U.S. total: percent	78.0	74.5	92.3	83.3	42.9	D	53.8	92.0	0.0	68.4	82.4	81.7	D	D	83.3
Study	32.9	45.6	75.0	20.0	66.7	D	14.3	73.9	0.0	23.1	18.6	15.5	D	D	20.0
Employment	65.8	53.2	25.0	80.0	33.3	D	85.7	21.7	0.0	76.9	80.0	82.8	D	D	80.0
Unknown	1.3	1.3	0.0	0.0	0.0	D	0.0	4.3	0.0	0.0	1.4	1.7	D	D	0.0
Non-U.S.	8.9	11.3	7.7	16.7	28.6	D	23.1	0.0	0.0	13.2	5.9	7.0	D	D	0.0
Unknown location	13.1	14.2	0.0	0.0	28.6	D	23.1	8.0	0.0	18.4	11.8	11.3	D	D	16.7
Number with temporary visas	692	552	106	14	106	24	83	39	10	170	140	111	4	9	16
U.S. total: percent	38.3	37.9	32.1	42.9	29.2	45.8	38.6	48.7	20.0	43.5	40.0	44.1	D	11.1	25.0
Study	44.5	51.7	91.2	66.7	71.0	18.2	50.0	78.9	50.0	23.0	17.9	18.4	D	0.0	0.0
Employment	54.7	47.8	8.8	33.3	29.0	81.8	50.0	21.1	0.0	77.0	80.4	79.6	D	0.0	100.0
Unknown	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	1.8	2.0	D	0.0	0.0
Non-U.S.	51.6	53.4	55.7	0.0	59.4	45.8	53.0	46.2	70.0	50.0	44.3	40.5	D	55.6	62.5
Unknown location	10.1	8.7	12.3		11.3	8.3	8.4	5.1	10.0	6.5	15.7	15.3	D	33.3	12.5
Number planning location in the United States after Ph.D.	**414**	**288**	**46**	**11**	**34**	**14**	**39**	**42**	**2**	**100**	**126**	**107**	**6**	**4**	**9**
Percent with definite postdoctoral study	25.1	32.6	63.0	18.2	55.9	14.3	17.9	52.4	D	13.0	7.9	6.5	16.7	D	0.0
Percent with definite employment	41.3	36.1	13.0	45.5	20.6	78.6	41.0	7.1	D	56.0	53.2	54.2	50.0	D	55.6
Percent seeking postdoctoral study	15.2	17.4	23.9	27.3	14.7	0.0	25.6	23.8	D	10.0	10.3	10.3	0.0	D	11.1
Percent seeking employment	17.4	13.2	0.0	9.1	8.8	7.1	15.4	14.3	D	21.0	27.0	27.1	33.3	D	33.3
Percent with postdoctoral plans unknown	1.0	0.7	0.0	0.0	0.0	0.0	0.0	2.4	D	0.0	1.6	1.9	0.0	D	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-8. Statistical profile of doctorate recipients from Italy, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**171**	**104**	**6**	**5**	**7**	**11**	**16**	**3**	**0**	**56**	**67**	**58**	**3**	**1**	**5**
Primary work activity, percent															
R&D	40.9	56.7	50.0	D	28.6	81.8	50.0	D	0.0	55.4	16.4	12.1	D	D	D
Teaching	40.4	24.0	33.3	D	42.9	18.2	37.5	D	0.0	17.9	65.7	70.7	D	D	D
Administrative	0.6	0.0	0.0	D	0.0	0.0	0.0	D	0.0	0.0	1.5	0.0	D	D	D
Professional services	2.3	3.8	0.0	D	0.0	0.0	0.0	D	0.0	7.1	0.0	0.0	D	D	D
Other	1.8	2.9	0.0	D	0.0	0.0	6.3	D	0.0	3.6	0.0	0.0	D	D	D
Unknown	14.0	12.5	16.7	D	28.6	0.0	6.3	D	0.0	16.1	16.4	17.2	D	D	D
Type of employer, percent															
Educational institution[3]	77.8	67.3	33.3	D	100.0	63.6	50.0	D	0.0	73.2	94.0	94.8	D	D	D
Industry/business	12.3	19.2	50.0	D	0.0	36.4	50.0	D	0.0	3.6	1.5	1.7	D	D	D
Government	0.6	1.0	0.0	D	0.0	0.0	0.0	D	0.0	1.8	0.0	0.0	D	D	D
Nonprofit	3.5	4.8	16.7	D	0.0	0.0	0.0	D	0.0	7.1	1.5	1.7	D	D	D
Other and unknown	5.8	7.7	0.0	D	0.0	0.0	0.0	D	0.0	14.3	3.0	1.7	D	D	D

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of Italy who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-9. Statistical profile of doctorate recipients from Korea[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**11,294**	**8,851**	**1,271**	**155**	**377**	**350**	**3,377**	**985**	**335**	**2,001**	**2,443**	**461**	**626**	**152**	**1,204**
Percent men	84.4	88.3	86.9	89.7	77.5	90.0	99.0	67.2	86.0	83.6	70.4	53.4	51.1	62.5	87.9
Percent women	15.6	11.7	13.1	10.3	22.5	10.0	1.0	32.8	14.0	16.4	29.6	46.6	48.9	37.5	12.1
Percent with permanent visa	9.1	8.1	6.9	9.0	7.4	11.1	8.6	9.0	6.9	7.3	12.6	16.7	10.9	11.8	12.0
Percent with temporary visa	91.0	91.9	93.2	91.0	92.6	88.9	91.4	91.0	93.1	92.8	87.4	83.3	89.1	88.2	88.0
Percent married	82.8	83.8	81.9	87.7	80.4	85.7	86.5	82.2	88.4	80.5	79.2	68.5	77.3	75.0	84.8
Percent not married	13.4	12.7	14.8	9.7	15.7	8.9	10.2	15.3	9.9	15.2	15.7	23.9	20.0	18.4	10.1
Percent unknown	3.8	3.5	3.3	2.6	4.0	5.4	3.4	2.4	1.8	4.3	5.1	7.6	2.7	6.6	5.2
Median age at Ph.D. in years	33.7	33.5	32.8	34.3	33.0	34.3	33.4	33.0	33.3	34.2	34.6	34.6	34.4	33.8	34.8
Percent with dependents	77.8	79.2	76.5	79.4	73.2	85.4	84.0	74.2	81.2	74.9	72.7	56.2	69.5	65.8	81.6
Percent receiving sources of support[3]															
Personal	77.4	74.8	59.2	72.3	66.6	81.1	77.1	66.4	80.0	84.7	87.0	85.0	89.3	73.7	88.3
Foreign government	6.4	6.8	3.4	13.5	5.6	10.6	9.8	3.8	6.3	4.5	5.2	2.4	9.1	3.9	4.4
University	87.6	90.2	95.4	91.6	92.0	87.7	90.3	95.0	93.1	83.7	78.1	71.4	67.4	85.5	85.3
Teaching assistant	47.1	47.9	69.1	29.7	86.7	62.9	36.0	38.8	7.5	57.2	44.3	46.4	27.5	30.3	53.9
Research assistant	65.2	71.2	86.9	85.2	35.8	64.0	80.8	79.7	88.4	44.8	43.3	15.2	36.1	65.1	55.1
Other university	16.5	14.3	12.6	10.3	14.9	9.7	8.4	21.2	7.2	24.1	24.6	32.5	21.9	12.5	24.4
Other	7.2	6.8	3.3	5.8	1.9	6.9	6.8	6.9	4.5	10.5	8.4	10.6	5.8	14.5	8.1
Unknown	4.4	4.1	3.6	4.5	5.3	3.4	4.3	2.5	2.4	5.2	5.5	8.5	3.8	6.6	5.1
Median years from baccalaureate to Ph.D.															
Total time in years	10.4	10.3	9.7	11.3	10.3	10.8	10.4	9.8	9.8	10.5	10.8	11.1	10.8	10.8	11.0
Registered time	7.3	7.3	7.3	8.3	7.8	7.5	7.0	7.3	6.8	7.7	7.8	8.3	7.1	7.5	7.8

See explanatory information, if any, and SOURCE at end of table.

Table B-9. Statistical profile of doctorate recipients from Korea[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,022	715	87	14	28	39	290	89	23	145	307	77	68	18	144
U.S. total: percent	56.0	61.0	67.8	57.1	60.7	59.0	65.2	77.5	56.5	40.0	44.3	44.2	38.2	55.6	45.8
Study	41.6	50.7	84.8	62.5	41.2	17.4	34.4	92.8	76.9	27.6	12.5	5.9	19.2	50.0	7.6
Employment	56.1	47.7	15.3	37.5	52.9	78.3	64.0	7.2	23.1	69.0	83.1	88.2	80.8	30.0	89.4
Unknown	2.3	1.6	0.0	0.0	5.9	4.3	1.6	0.0	0.0	3.5	4.4	5.9	0.0	20.0	3.0
Non-U.S.	31.0	25.6	19.5	21.4	28.6	28.2	21.7	11.2	34.8	43.5	43.7	45.5	44.1	38.9	43.1
Unknown location	13.0	13.4	12.6	21.4	10.7	12.8	13.1	11.2	8.7	16.6	12.1	10.4	17.6	5.6	11.1
Number with temporary visas	10,272	8,136	1,184	141	349	311	3,087	896	312	1,856	2,136	384	558	134	1,060
U.S. total: percent	31.3	33.9	53.9	31.9	21.8	27.7	30.3	61.0	36.9	17.2	21.3	15.9	10.9	39.6	26.3
Study	66.9	73.7	94.7	91.1	53.9	23.3	63.5	96.9	91.3	31.4	25.8	23.0	31.1	92.5	12.5
Employment	31.4	25.1	4.7	6.7	42.1	72.1	35.3	2.7	7.8	66.1	69.8	63.9	67.2	5.7	83.9
Unknown	1.7	1.2	0.6	2.2	3.9	4.7	1.2	0.4	0.9	2.5	4.4	13.1	1.6	1.9	3.6
Non-U.S.	56.4	54.1	36.2	54.6	63.0	63.0	56.1	32.4	51.3	69.7	65.2	72.1	74.9	51.5	59.3
Unknown location	12.3	12.0	9.9	13.5	15.2	9.3	13.6	6.6	11.9	13.1	13.6	12.0	14.2	9.0	14.4
Number planning location in the United States after Ph.D.	**3,787**	**3,197**	**697**	**53**	**93**	**109**	**1,124**	**616**	**128**	**377**	**590**	**95**	**87**	**63**	**345**
Percent with definite postdoctoral study	41.6	47.1	68.9	45.3	26.9	10.1	31.7	76.3	59.4	16.7	12.2	6.3	10.3	65.1	4.6
Percent with definite employment	20.3	15.6	3.3	7.5	25.8	38.5	21.4	2.1	5.5	37.9	45.9	25.3	35.6	3.2	62.0
Percent seeking postdoctoral study	21.5	23.5	25.0	41.5	24.7	11.9	27.0	20.1	30.5	14.1	10.5	10.5	17.2	20.6	7.0
Percent seeking employment	14.8	12.6	2.3	3.8	18.3	34.9	18.7	1.1	3.9	28.7	27.0	47.4	35.6	6.3	22.9
Percent with postdoctoral plans unknown	1.8	1.3	0.6	1.9	4.3	4.6	1.3	0.3	0.8	2.7	4.4	10.5	1.1	4.8	3.5

See explanatory information, if any, and SOURCE at end of table.

Table B-9. Statistical profile of doctorate recipients from Korea[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	768	497	23	4	24	42	241	13	7	143	271	24	31	2	214
Primary work activity: percent															
R&D	51.0	62.6	78.3	D	33.3	61.9	77.2	53.8	100.0	39.2	29.9	4.2	45.2	D	29.9
Teaching	35.6	25.8	4.4	D	58.3	26.2	13.7	15.4	0.0	46.9	53.5	75.0	38.7	D	53.7
Administrative	0.4	0.2	0.0	D	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	3.2	D	0.5
Professional services	3.9	3.8	8.7	D	0.0	0.0	4.6	7.7	0.0	2.8	4.1	0.0	6.5	D	4.2
Other	0.9	0.4	4.4	D	0.0	0.0	0.0	0.0	0.0	0.7	1.9	12.5	0.0	D	0.9
Unknown	8.2	7.2	4.4	D	8.3	11.9	4.6	23.1	0.0	9.8	10.0	8.3	6.5	D	10.8
Type of employer: percent															
Educational institution[4]	63.3	49.9	13.0	D	95.8	47.6	29.1	69.2	42.9	83.2	87.8	83.3	80.6	D	90.2
Industry/business	28.4	41.5	69.6	D	4.2	50.0	63.9	23.1	42.9	4.2	4.4	0.0	9.7	D	3.7
Government	2.6	3.6	13.0	D	0.0	2.4	2.9	7.7	14.3	2.8	0.7	0.0	3.2	D	0.0
Nonprofit	4.0	2.8	0.0	D	0.0	0.0	3.7	0.0	0.0	3.5	6.3	16.7	6.5	D	5.1
Other and unknown	1.7	2.2	4.4	D	0.0	0.0	0.4	0.0	0.0	6.3	0.7	0.0	0.0	D	0.9

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes all responses for South Korea, North Korea, and unspecified Korean locations.

[2] This table includes all citizens of Korea who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-10. Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**1,359**	**1,126**	**102**	**61**	**68**	**26**	**238**	**230**	**198**	**203**	**233**	**91**	**63**	**41**	**38**
Percent men	80.7	83.3	88.2	93.4	92.6	100.0	92.0	70.9	88.9	70.9	68.2	65.9	58.7	68.3	89.5
Percent women	19.3	16.7	11.8	6.6	7.4	0.0	8.0	29.1	11.1	29.1	31.8	34.1	41.3	31.7	10.5
Percent with permanent visa	18.0	15.7	15.7	19.7	16.2	15.4	13.0	13.9	15.7	19.7	28.8	38.5	23.8	19.5	23.7
Percent with temporary visa	82.1	84.3	84.3	80.3	83.8	84.6	87.0	86.1	84.3	80.3	71.2	61.5	76.2	80.5	76.3
Percent married	65.5	65.9	54.9	63.9	61.8	53.8	70.2	63.9	81.3	57.1	63.5	57.1	65.1	68.3	71.1
Percent not married	30.0	29.6	42.2	29.5	32.4	38.5	26.9	33.0	13.1	36.5	32.2	39.6	30.2	26.8	23.7
Percent unknown	4.5	4.5	2.9	6.6	5.9	7.7	2.9	3.0	5.6	6.4	4.3	3.3	4.8	4.9	5.3
Median age at Ph.D. in years	34.5	34.0	31.8	35.5	32.3	32.5	33.2	33.7	36.0	35.2	36.3	36.2	37.7	34.8	36.2
Percent with dependents	60.6	61.0	52.0	62.3	57.4	50.0	63.4	56.5	81.3	50.2	58.4	52.7	54.0	63.4	73.7
Percent receiving sources of support[2]															
Personal	46.9	43.0	40.2	32.8	27.9	50.0	46.6	39.6	38.4	55.7	65.7	78.0	54.0	53.7	68.4
Foreign government	45.0	48.8	31.4	41.0	48.5	57.7	46.6	50.4	70.2	38.4	26.6	11.0	36.5	51.2	21.1
University	77.8	78.4	94.1	73.8	89.7	76.9	85.7	77.4	58.6	80.3	74.7	84.6	58.7	73.2	78.9
Teaching assistant	44.0	42.5	68.6	32.8	70.6	42.3	45.8	34.3	15.2	54.7	51.5	76.9	30.2	22.0	57.9
Research assistant	48.9	52.9	80.4	67.2	30.9	50.0	66.4	50.9	48.0	34.0	29.2	15.4	25.4	63.4	31.6
Other university	22.5	21.5	17.6	18.0	25.0	30.8	17.2	21.7	14.1	34.0	27.5	38.5	23.8	17.1	18.4
Other	21.9	20.9	13.7	18.0	10.3	19.2	14.3	22.2	14.6	41.4	27.0	16.5	34.9	29.3	36.8
Unknown	3.8	3.9	2.9	8.2	2.9	3.8	3.4	3.0	3.5	5.4	3.4	1.1	3.2	4.9	7.9
Median years from baccalaureate to Ph.D.															
Total time in years	10.3	9.9	8.6	11.5	8.1	8.9	10.0	9.1	11.8	10.1	12.0	10.0	13.3	12.4	14.0
Registered time	6.5	6.4	6.8	7.3	6.8	6.4	6.4	6.5	5.8	6.8	7.3	7.3	7.0	8.4	7.3

See explanatory information, if any, and SOURCE at end of table.

Table B-10. Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	244	177	16	12	11	4	31	32	31	40	67	35	15	8	9
U.S. total: percent	71.3	68.9	81.3	58.3	81.8	D	67.7	75.0	48.4	75.0	77.6	85.7	73.3	62.5	66.7
Study	26.4	34.4	38.5	42.9	44.4	D	33.3	54.2	13.3	26.7	7.7	10.0	9.1	0.0	0.0
Employment	70.1	62.3	61.5	57.1	55.6	D	61.9	33.3	86.7	73.3	88.5	83.3	90.9	100.0	100.0
Unknown	3.5	3.3	0.0	0.0	0.0	D	4.8	12.5	0.0	0.0	3.8	6.7	0.0	0.0	0.0
Non-U.S.	18.9	22.0	12.5	33.3	18.2	D	12.9	18.8	48.4	12.5	10.4	8.6	13.3	25.0	0.0
Unknown location	9.8	9.0	6.3	8.3	0.0	D	19.4	6.3	3.2	12.5	11.9	5.7	13.3	12.5	33.3
Number with temporary visas	1,115	949	86	49	57	22	207	198	167	163	166	56	48	33	29
U.S. total: percent	30.9	31.1	55.8	26.5	22.8	50.0	39.1	35.4	12.0	23.9	29.5	37.5	20.8	33.3	24.1
Study	54.1	59.7	79.2	69.2	46.2	18.2	46.9	92.9	50.0	20.5	20.4	9.5	20.0	54.5	0.0
Employment	44.8	39.0	20.8	23.1	53.8	81.8	53.1	5.7	50.0	74.4	79.6	90.5	80.0	45.5	100.0
Unknown	1.2	1.4	0.0	7.7	0.0	0.0	0.0	1.4	0.0	5.1	0.0	0.0	0.0	0.0	0.0
Non-U.S.	61.2	61.4	40.7	65.3	70.2	40.9	49.3	61.1	77.8	69.9	59.6	55.4	68.8	54.5	58.6
Unknown location	8.0	7.5	3.5	8.2	7.0	9.1	11.6	3.5	10.2	6.1	10.8	7.1	10.4	12.1	17.2
Number planning location in the United States after Ph.D.	**518**	**417**	**61**	**20**	**22**	**14**	**102**	**94**	**35**	**69**	**101**	**51**	**21**	**16**	**13**
Percent with definite postdoctoral study	28.8	33.8	47.5	35.0	22.7	14.3	23.5	62.8	22.9	10.1	7.9	5.9	9.5	18.8	0.0
Percent with definite employment	33.8	30.2	14.8	20.0	50.0	42.9	43.1	7.4	34.3	47.8	48.5	54.9	28.6	31.3	76.9
Percent seeking postdoctoral study	16.0	18.5	23.0	25.0	22.7	0.0	20.6	20.2	11.4	13.0	5.9	3.9	4.8	18.8	0.0
Percent seeking employment	19.5	15.6	14.8	15.0	4.5	42.9	11.8	5.3	31.4	26.1	35.6	31.4	57.1	31.3	23.1
Percent with postdoctoral plans unknown	1.9	1.9	0.0	5.0	0.0	0.0	1.0	4.3	0.0	2.9	2.0	3.9	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-10. Statistical profile of doctorate recipients from Mexico, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	175	126	9	4	11	6	44	7	12	33	49	28	6	5	10
Primary work activity: percent															
R&D	45.1	53.2	88.9	D	18.2	100.0	56.8	42.9	83.3	33.3	24.5	14.3	50.0	D	20.0
Teaching	35.4	27.0	11.1	D	72.7	0.0	20.5	28.6	0.0	42.4	57.1	60.7	50.0	D	70.0
Administrative	2.9	1.6	0.0	D	0.0	0.0	2.3	0.0	0.0	3.0	6.1	10.7	0.0	D	0.0
Professional services	5.7	7.9	0.0	D	9.1	0.0	9.1	14.3	8.3	6.1	0.0	0.0	0.0	D	0.0
Other	1.7	2.4	0.0	D	0.0	0.0	2.3	14.3	0.0	3.0	0.0	0.0	0.0	D	0.0
Unknown	9.1	7.9	0.0	D	0.0	0.0	9.1	0.0	8.3	12.1	12.2	14.3	0.0	D	10.0
Type of employer: percent															
Educational institution[3]	59.4	49.2	11.1	D	90.9	16.7	43.2	42.9	41.7	66.7	85.7	85.7	100.0	D	90.0
Industry/business	29.7	38.9	66.7	D	9.1	83.3	52.3	42.9	50.0	6.1	6.1	7.1	0.0	D	0.0
Government	4.0	5.6	11.1	D	0.0	0.0	4.5	0.0	8.3	9.1	0.0	0.0	0.0	D	0.0
Nonprofit	1.7	0.8	11.1	D	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.6	0.0	D	10.0
Other and unknown	5.1	5.6	0.0	D	0.0	0.0	0.0	14.3	0.0	18.2	4.1	3.6	0.0	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of Mexico who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-11. Statistical profile of doctorate recipients from Scandinavia[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**823**	**612**	**97**	**40**	**44**	**33**	**112**	**92**	**32**	**162**	**211**	**90**	**41**	**22**	**58**
Percent men	65.4	69.6	78.4	77.5	90.9	81.8	85.7	55.4	50.0	54.9	53.1	50.0	36.6	27.3	79.3
Percent women	34.6	30.4	21.6	22.5	9.1	18.2	14.3	44.6	50.0	45.1	46.9	50.0	63.4	72.7	20.7
Percent with permanent visa	24.1	20.6	19.6	5.0	6.8	27.3	13.4	27.2	21.9	28.4	34.1	42.2	29.3	36.4	24.1
Percent with temporary visa	75.9	79.4	80.4	95.0	93.2	72.7	86.6	72.8	78.1	71.6	65.9	57.8	70.7	63.6	75.9
Percent married	51.3	47.7	44.3	50.0	36.4	45.5	46.4	54.3	65.6	46.3	61.6	54.4	68.3	72.7	63.8
Percent not married	42.2	45.8	49.5	45.0	56.8	48.5	50.9	40.2	28.1	43.2	31.8	40.0	26.8	18.2	27.6
Percent unknown	6.6	6.5	6.2	5.0	6.8	6.1	2.7	5.4	6.3	10.5	6.6	5.6	4.9	9.1	8.6
Median age at Ph.D. in years	32.3	31.7	30.7	33.2	30.0	31.4	31.0	31.5	33.5	33.1	35.3	34.8	38.2	36.4	33.5
Percent with dependents	37.3	33.7	25.8	47.5	20.5	15.2	34.8	38.0	46.9	36.4	47.9	40.0	61.0	54.5	48.3
Percent receiving sources of support[3]															
Personal	61.0	54.9	41.2	50.0	34.1	63.6	51.8	64.1	56.3	64.8	78.7	86.7	80.5	72.7	67.2
Foreign government	33.5	34.3	19.6	42.5	38.6	39.4	40.2	31.5	59.4	31.5	31.3	23.3	41.5	22.7	39.7
University	84.2	86.1	95.9	90.0	81.8	87.9	91.1	91.3	68.8	77.2	78.7	82.2	75.6	72.7	77.6
Teaching assistant	50.2	49.0	64.9	35.0	70.5	57.6	34.8	42.4	15.6	55.6	53.6	68.9	41.5	31.8	46.6
Research assistant	56.4	65.7	83.5	82.5	61.4	78.8	83.0	70.7	53.1	37.0	29.4	14.4	29.3	31.8	51.7
Other university	28.1	25.5	21.6	22.5	27.3	21.2	16.1	33.7	9.4	34.0	35.5	42.2	22.0	31.8	36.2
Other	32.9	31.2	22.7	35.0	25.0	33.3	26.8	31.5	25.0	40.7	37.9	40.0	43.9	36.4	31.0
Unknown	4.3	4.9	4.1	7.5	4.5	6.1	2.7	1.1	3.1	8.6	2.4	1.1		4.5	5.2
Median years from baccalaureate to Ph.D.															
Total time in years	8.0	7.5	6.3	9.5	6.0	7.1	6.8	7.6	8.3	8.3	10.2	10.0	13.5	12.0	8.5
Registered time	6.4	6.2	5.8	7.3	5.3	6.4	5.6	6.4	5.9	7.0	6.9	8.2	6.6	7.3	6.0

See explanatory information, if any, and SOURCE at end of table.

Table B-11. Statistical profile of doctorate recipients from Scandinavia[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	198	126	19	2	3	9	15	25	7	46	72	38	12	8	14
U.S. total: percent	71.7	75.4	68.4	D	D	88.9	60.0	76.0	85.7	76.1	65.3	73.7	58.3	37.5	64.3
Study	28.2	37.9	23.1	D	D	12.5	22.2	89.5	16.7	22.9	8.5	7.1	0.0	33.3	11.1
Employment	68.3	60.0	69.2	D	D	87.5	77.8	10.5	83.3	74.3	85.1	85.7	100.0	66.7	77.8
Unknown	3.5	2.1	7.7	D	D	0.0	0.0	0.0	0.0	2.9	6.4	7.1	0.0	0.0	11.1
Non-U.S.	18.7	15.1	10.5	D	D	11.1	26.7	24.0	14.3	10.9	25.0	18.4	33.3	50.0	21.4
Unknown location	9.6	9.5	21.1	D	D	0.0	13.3	0.0	0.0	13.0	9.7	7.9	8.3	12.5	14.3
Number with temporary visas	625	486	78	38	41	24	97	67	25	116	139	52	29	14	44
U.S. total: percent	33.8	37.2	50.0	23.7	29.3	54.2	35.1	40.3	12.0	37.9	21.6	25.0	13.8	14.3	25.0
Study	50.2	57.5	84.6	88.9	58.3	30.8	50.0	92.6	100.0	15.9	6.7	7.7	0.0	50.0	0.0
Employment	47.9	41.4	12.8	11.1	41.7	69.2	50.0	7.4	0.0	81.8	86.7	76.9	100.0	50.0	100.0
Unknown	1.9	1.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.7	15.4	0.0	0.0	0.0
Non-U.S.	55.8	51.9	39.7	63.2	46.3	37.5	51.5	53.7	84.0	53.4	69.8	61.5	75.9	85.7	70.5
Unknown location	10.4	10.9	10.3	13.2	24.4	8.3	13.4	6.0	4.0	8.6	8.6	13.5	10.3	0.0	4.5
Number planning location in the United States after Ph.D.	353	276	52	11	15	21	43	46	9	79	77	41	11	5	20
Percent with definite postdoctoral study	28.6	34.8	53.8	81.8	20.0	9.5	25.6	71.7	33.3	8.9	6.5	4.9	0.0	D	5.0
Percent with definite employment	40.2	35.9	15.4	9.1	40.0	61.9	46.5	2.2	33.3	59.5	55.8	43.9	63.6	D	80.0
Percent seeking postdoctoral study	12.7	15.9	15.4	9.1	40.0	14.3	18.6	19.6	11.1	10.1	1.3	2.4	0.0	D	0.0
Percent seeking employment	15.9	12.0	11.5	0.0	0.0	14.3	9.3	6.5	22.2	19.0	29.9	39.0	36.4	D	10.0
Percent with postdoctoral plans unknown	2.6	1.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.5	9.8	0.0	D	5.0

See explanatory information, if any, and SOURCE at end of table

Table B-11. Statistical profile of doctorate recipients from Scandinavia[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**142**	**99**	**8**	**1**	**6**	**13**	**20**	**1**	**3**	**47**	**43**	**18**	**7**	**2**	**16**
Primary work activity: percent															
R&D	50.7	60.6	87.5	D	83.3	92.3	65.0	D	D	46.8	27.9	22.2	14.3	D	31.3
Teaching	30.3	19.2	0.0	D	0.0	0.0	5.0	D	D	36.2	55.8	61.1	42.9	D	62.5
Administrative	1.4	1.0	0.0	D	0.0	0.0	0.0	D	D	2.1	2.3	0.0	14.3	D	0.0
Professional services	9.2	11.1	12.5	D	0.0	7.7	20.0	D	D	6.4	4.7	5.6	14.3	D	0.0
Other	2.1	3.0	0.0	D	0.0	0.0	10.0	D	D	2.1	0.0	0.0	0.0	D	0.0
Unknown	6.3	5.1	0.0	D	16.7	0.0	0.0	D	D	6.4	9.3	11.1	14.3	D	6.3
Type of employer: percent															
Educational institution[4]	64.1	51.5	37.5	D	83.3	15.4	15.0	D	D	76.6	93.0	94.4	100.0	D	100.0
Industry/business	24.6	34.3	50.0	D	16.7	84.6	75.0	D	D	4.3	2.3	0.0	0.0	D	0.0
Government	4.9	5.1	12.5	D	0.0	0.0	10.0	D	D	2.1	4.7	5.6	0.0	D	0.0
Nonprofit	2.8	4.0	0.0	D	0.0	0.0	0.0	D	D	6.4	0.0	0.0	0.0	D	0.0
Other and unknown	3.5	5.1	0.0	D	0.0	0.0	0.0	D	D	10.6	0.0	0.0	0.0	D	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes Denmark, Finland, Iceland, Norway, Sweden, and unspecified Northern European countries.

[2] This table includes all citizens of Scandinavian countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[1]	**11,705**	**9,927**	**1,186**	**179**	**376**	**591**	**4,987**	**1,322**	**384**	**902**	**1,778**	**238**	**753**	**264**	**523**
Percent men	78.6	83.4	81.1	88.3	72.6	89.2	95.3	58.6	70.6	62.2	51.9	41.2	45.3	45.8	69.4
Percent women	21.4	16.6	18.9	11.7	27.4	10.8	4.7	41.5	29.4	37.8	48.1	58.8	54.7	54.2	30.6
Percent with permanent visa	14.0	14.0	13.2	12.8	11.4	21.5	13.8	16.3	10.4	10.6	14.2	17.2	9.6	16.3	18.4
Percent with temporary visa	86.0	86.0	86.8	87.2	88.6	78.5	86.2	83.7	89.6	89.4	85.8	82.8	90.4	83.7	81.6
Percent married	69.1	69.4	63.8	72.6	63.0	73.6	72.2	64.5	71.1	66.9	67.1	58.0	69.5	67.0	67.9
Percent not married	26.8	26.6	31.7	24.0	32.4	22.0	24.2	30.9	24.7	28.5	27.7	*36.1	27.1	24.2	26.4
Percent unknown	4.2	4.0	4.5	3.4	4.5	4.4	3.6	4.5	4.2	4.7	5.2	5.9	3.5	8.7	5.7
Median age at Ph.D. in years	32.8	32.6	32.3	33.5	32.5	32.6	32.3	32.7	33.5	33.6	34.5	34.8	34.9	34.3	33.9
Percent with dependents	57.1	57.9	52.1	63.7	53.7	60.2	63.0	48.6	56.8	50.6	52.4	39.9	54.6	50.0	56.2
Percent receiving sources of support[2]															
Personal	69.9	68.1	52.3	64.2	61.4	77.3	71.8	58.4	73.4	77.6	80.2	81.9	83.5	71.2	79.0
Foreign government	9.8	8.1	2.2	12.8	2.4	4.7	7.8	11.4	16.7	12.1	19.8	14.3	23.5	23.9	14.9
University	85.3	88.7	94.4	89.4	92.8	89.7	88.4	89.2	84.6	81.6	66.1	76.5	54.2	71.6	75.9
Teaching assistant	44.7	46.3	69.8	26.8	85.6	62.3	40.9	34.0	11.7	55.5	35.8	57.1	23.0	26.1	49.3
Research assistant	68.9	74.6	83.6	86.0	46.5	68.5	79.2	74.5	80.5	48.7	36.8	14.3	30.4	52.3	48.6
Other university	12.8	11.6	9.7	8.4	13.3	10.0	9.5	18.5	7.0	18.1	19.4	33.2	15.8	14.8	20.5
Other	5.4	4.9	3.1	5.6	3.2	5.6	4.5	5.8	5.5	7.4	8.4	16.4	6.4	10.2	6.7
Unknown	3.7	3.5	3.8	2.8	3.2	3.6	3.3	3.7	3.6	4.0	4.7	4.6	2.9	8.0	5.5
Median years from baccalaureate to Ph.D.															
Total time in years	10.0	9.9	9.5	10.8	9.9	10.1	9.9	9.6	10.4	10.9	11.5	11.9	11.6	11.1	11.4
Registered time	6.3	6.3	6.5	7.0	6.5	6.6	6.2	6.7	6.4	7.2	6.4	8.2	5.8	6.4	7.0

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	1,643	1,391	157	23	43	127	690	215	40	96	252	41	72	43	96
U.S. total, percent	72.9	74.4	70.1	73.9	67.4	75.6	72.9	87.4	77.5	63.5	64.7	63.4	58.3	72.1	66.7
Study	29.2	32.1	59.1	41.2	20.7	4.2	14.9	81.9	35.5	16.4	11.0	7.7	11.9	25.8	4.7
Employment	69.0	66.2	38.2	58.8	79.3	91.7	83.1	18.1	64.5	82.0	86.5	92.3	88.1	71.0	90.6
Unknown	1.8	1.7	2.7	0.0	0.0	4.2	2.0	0.0	0.0	1.6	2.5	0.0	0.0	3.2	4.7
Non-U.S.	14.9	13.2	14.0	13.0	9.3	11.0	13.6	6.5	17.5	26.0	24.6	22.0	31.9	20.9	21.9
Unknown location	12.2	12.4	15.9	13.0	23.3	13.4	13.5	6.1	5.0	10.4	10.7	14.6	9.7	7.0	11.5
Number with temporary visas	10,062	8,536	1,029	156	333	464	4,297	1,107	344	806	1,526	197	681	221	427
U.S. total, percent	39.6	43.4	53.2	39.7	32.1	47.8	42.1	60.0	35.2	21.3	18.2	15.2	12.2	27.6	24.4
Study	47.1	49.2	77.9	69.4	23.4	7.2	32.5	91.1	60.3	25.6	19.4	13.3	22.9	42.6	4.8
Employment	51.0	49.0	19.9	27.4	75.7	90.1	66.1	7.4	33.9	70.9	78.4	80.0	74.7	55.7	94.2
Unknown	1.9	1.9	2.2	3.2	0.9	2.7	1.4	1.5	5.8	3.5	2.2	6.7	2.4	1.6	1.0
Non-U.S.	47.1	43.0	30.5	45.5	51.4	37.7	43.5	31.0	52.6	67.6	70.3	75.1	76.5	57.0	64.9
Unknown location	13.3	13.6	16.3	14.7	16.5	14.4	14.4	9.0	12.2	11.0	11.5	9.6	11.3	15.4	10.8
Number planning location in the United States after Ph.D.	**5,179**	**4,738**	**657**	**79**	**136**	**318**	**2,311**	**852**	**152**	**233**	**441**	**56**	**125**	**92**	**168**
Percent with definite postdoctoral study	26.7	28.5	50.2	38.0	11.0	3.5	15.7	62.2	32.2	9.0	7.5	3.6	7.2	21.7	1.2
Percent with definite employment	30.5	29.2	12.3	20.3	49.3	59.4	37.8	5.6	10.5	40.8	44.2	42.9	23.2	26.1	70.2
Percent seeking postdoctoral study	16.3	17.0	24.5	25.3	11.8	2.8	13.0	26.9	23.0	14.2	8.8	7.1	12.0	15.2	3.6
Percent seeking employment	24.7	23.5	10.7	13.9	27.2	31.1	32.0	4.1	29.6	33.0	37.2	42.9	56.0	34.8	22.6
Percent with postdoctoral plans unknown	1.9	1.8	2.3	2.5	0.7	3.1	1.5	1.2	4.6	3.0	2.3	3.6	1.6	2.2	2.4

See explanatory information, if any, and SOURCE at end of table.

Table B-12. Statistical profile of doctorate recipients from Taiwan, by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**1,580**	**1,385**	**81**	**16**	**67**	**189**	**873**	**48**	**16**	**95**	**195**	**24**	**29**	**24**	**118**
Primary work activity: percent															
R&D	68.2	72.3	74.1	68.8	50.7	75.1	78.0	60.4	81.3	32.6	39.0	8.3	48.3	66.7	37.3
Teaching	14.9	11.1	8.6	0.0	32.8	12.7	7.1	8.3	0.0	35.8	42.6	75.0	31.0	12.5	44.9
Administrative	0.8	0.7	0.0	0.0	0.0	1.1	0.5	2.1	0.0	2.1	1.5	4.2	0.0	0.0	1.7
Professional services	7.2	7.5	6.2	18.8	7.5	3.2	7.8	20.8	12.5	5.3	4.6	0.0	6.9	12.5	3.4
Other	0.9	0.9	1.2	0.0	0.0	0.5	0.7	4.2	0.0	2.1	1.0	0.0	0.0	4.2	0.8
Unknown	8.1	7.7	9.9	12.5	9.0	7.4	6.0	4.2	6.3	22.1	11.3	12.5	13.8	4.2	11.9
Type of employer: percent															
Educational institution[3]	31.3	24.8	14.8	25.0	70.1	25.9	15.7	56.3	6.3	70.5	76.9	79.2	58.6	45.8	87.3
Industry/business	63.4	70.2	81.5	50.0	22.4	73.0	79.8	31.3	93.8	18.9	14.9	8.3	13.8	45.8	10.2
Government	2.0	2.1	2.5	12.5	1.5	1.1	2.0	4.2	0.0	3.2	1.5	0.0	3.4	0.0	1.7
Nonprofit	2.5	2.0	1.2	12.5	4.5	0.0	1.5	8.3	0.0	5.3	6.2	8.3	24.1	8.3	0.8
Other and unknown	0.8	0.9	0.0	0.0	1.5	0.0	1.0	0.0	0.0	2.1	0.5	4.2	0.0	0.0	0.0

[1] This table includes all citizens of Taiwan who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[3] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-13. Statistical profile of doctorate recipients from United Kingdom[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**1,808**	**1,132**	**214**	**53**	**70**	**23**	**135**	**226**	**33**	**378**	**676**	**406**	**146**	**29**	**95**
Percent men	67.5	74.7	87.4	79.2	78.6	82.6	88.1	71.2	63.6	63.8	55.6	54.9	52.1	65.5	61.1
Percent women	32.5	25.4	12.6	20.8	21.4	17.4	11.9	28.8	36.4	36.2	44.4	45.1	47.9	34.5	38.9
Percent with permanent visa	42.5	38.8	29.0	35.8	24.3	47.8	37.8	42.9	30.3	45.5	48.8	45.1	56.8	65.5	47.4
Percent with temporary visa	57.5	61.2	71.0	64.2	75.7	52.2	62.2	57.1	69.7	54.5	51.2	54.9	43.2	34.5	52.6
Percent married	44.4	40.5	34.1	43.4	25.7	39.1	44.4	43.4	42.4	43.1	50.9	48.0	61.6	34.5	51.6
Percent not married	49.7	54.0	58.9	52.8	71.4	56.5	51.1	52.7	51.5	50.0	42.6	45.6	32.2	51.7	43.2
Percent unknown	5.9	5.6	7.0	3.8	2.9	4.3	4.4	4.0	6.1	6.9	6.5	6.4	6.2	13.8	5.3
Median age at Ph.D. in years	31.2	30.0	28.2	30.8	28.0	32.8	29.0	30.8	32.0	32.0	33.9	32.3	39.5	31.5	35.1
Percent with dependents	25.2	21.1	15.9	22.6	12.9	21.7	23.7	19.5	30.3	24.6	32.0	25.9	43.8	34.5	38.9
Percent receiving sources of support[3]															
Personal	60.7	51.0	29.0	49.1	40.0	56.5	43.0	46.5	63.6	69.8	76.9	72.4	87.0	69.0	83.2
Foreign government	2.1	2.5	3.3	0.0	4.3	4.3	4.4	1.3	6.1	1.6	1.5	2.0	0.0	0.0	2.1
University	90.9	92.4	91.1	96.2	95.7	95.7	91.9	93.8	93.9	91.0	88.5	94.3	74.0	75.9	89.5
Teaching assistant	67.5	64.7	72.9	60.4	82.9	52.2	46.7	50.9	30.3	75.7	72.2	84.2	50.7	48.3	61.1
Research assistant	51.7	66.7	76.6	86.8	61.4	69.6	84.4	69.0	84.8	49.7	26.5	18.2	26.7	48.3	54.7
Other university	37.7	32.8	21.5	30.2	25.7	30.4	22.2	32.3	18.2	46.3	46.0	56.9	26.0	24.1	36.8
Other	17.2	15.9	7.9	15.1	5.7	4.3	14.8	21.2	21.2	19.8	19.4	20.4	15.8	34.5	15.8
Unknown	3.1	2.8	5.6	0.0	1.4	4.3	3.7	0.4	0.0	3.2	3.6	3.0	3.4	10.3	4.2
Median years from baccalaureate to Ph.D.															
Total time in years	8.3	7.4	6.3	7.9	6.0	11.8	6.6	8.0	9.5	9.0	9.9	9.2	13.4	8.3	11.9
Registered time	6.4	6.1	5.4	6.4	5.9	6.8	6.0	6.0	6.1	6.8	7.1	7.4	6.9	5.8	5.9

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Statistical profile of doctorate recipients from United Kingdom , by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	769	439	62	19	17	11	51	97	10	172	330	183	83	19	45
U.S. total: percent	82.8	82.5	77.4	73.7	82.4	90.9	88.2	87.6	60.0	81.4	83.3	88.5	75.9	73.7	80.0
Study	25.0	38.4	47.9	42.9	21.4	20.0	22.2	81.2	83.3	15.0	7.3	6.8	9.5	7.1	5.6
Employment	73.6	60.2	50.0	57.1	78.6	80.0	77.8	18.8	0.0	82.9	91.3	90.7	90.5	92.9	94.4
Unknown	1.4	1.4	2.1	0.0	0.0	0.0	0.0	0.0	16.7	2.1	1.5	2.5	0.0	0.0	0.0
Non-U.S.	7.7	8.9	8.1	21.1	17.6	0.0	3.9	5.2	20.0	10.5	6.1	4.9	7.2	5.3	8.9
Unknown location	9.5	8.7	14.5	5.3	0.0	9.1	7.8	7.2	20.0	8.1	10.6	6.6	16.9	21.1	11.1
Number with temporary visas	1,039	693	152	34	53	12	84	129	23	206	346	223	63	10	50
U.S. total: percent	60.4	60.9	63.2	58.8	62.3	66.7	67.9	66.7	43.5	54.4	59.2	61.9	52.4	70.0	54.0
Study	38.9	54.3	70.8	65.0	36.4	37.5	42.1	84.9	70.0	25.9	7.3	8.0	3.0	28.6	3.7
Employment	59.3	44.3	25.0	35.0	63.6	62.5	57.9	14.0	30.0	73.2	90.2	89.1	97.0	71.4	92.6
Unknown	1.8	1.4	4.2	0.0	0.0	0.0	0.0	1.2	0.0	0.9	2.4	2.9	0.0	0.0	3.7
Non-U.S.	29.2	29.3	28.9	32.4	28.3	16.7	20.2	28.7	39.1	33.0	28.9	27.8	28.6	30.0	34.0
Unknown location	10.5	9.8	7.9	8.8	9.4	16.7	11.9	4.7	17.4	12.6	11.9	10.3	19.0	0.0	12.0
Number planning location in the United States after Ph.D.	**1,264**	**784**	**144**	**34**	**47**	**18**	**102**	**171**	**16**	**252**	**480**	**300**	**96**	**21**	**63**
Percent with definite postdoctoral study	25.8	38.5	56.9	41.2	25.5	27.8	22.5	70.2	56.3	14.7	5.0	5.0	5.2	9.5	3.2
Percent with definite employment	47.5	37.4	22.9	32.4	55.3	55.6	48.0	11.1	12.5	56.7	64.0	59.7	68.8	57.1	79.4
Percent seeking postdoctoral study	6.1	8.4	6.3	14.7	6.4	0.0	10.8	12.9	18.8	5.2	2.3	2.3	2.1	4.8	1.6
Percent seeking employment	19.1	14.3	10.4	11.8	12.8	16.7	18.6	5.3	6.3	21.8	26.9	30.3	24.0	28.6	14.3
Percent with postdoctoral plans unknown	1.6	1.4	3.5	0.0	0.0	0.0	0.0	0.6	6.3	1.6	1.9	2.7	0.0	0.0	1.6

See explanatory information, if any, and SOURCE at end of table.

Table B-13. Statistical profile of doctorate recipients from United Kingdom[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**600**	**293**	**33**	**11**	**26**	**10**	**49**	**19**	**2**	**143**	**307**	**179**	**66**	**12**	**50**
Primary work activity: percent															
R&D	32.8	47.4	66.7	63.6	38.5	50.0	75.5	31.6	D	35.7	18.9	8.4	24.2	66.7	38.0
Teaching	44.5	31.4	15.2	18.2	42.3	30.0	10.2	36.8	D	40.6	57.0	68.2	48.5	0.0	42.0
Administrative	4.2	2.1	0.0	0.0	0.0	10.0	0.0	0.0	D	3.5	6.2	4.5	12.1	0.0	6.0
Professional services	6.5	8.9	6.1	9.1	11.5	10.0	6.1	15.8	D	9.1	4.2	2.8	4.5	25.0	4.0
Other	1.8	1.0	3.0	0.0	0.0	0.0	2.0	0.0	D	0.7	2.6	2.2	3.0	0.0	4.0
Unknown	10.2	9.2	9.1	9.1	7.7	0.0	6.1	15.8	D	10.5	11.1	14.0	7.6	8.3	6.0
Type of employer: percent															
Educational institution[4]	74.2	60.8	18.2	36.4	80.8	60.0	38.8	57.9	D	77.6	87.0	92.2	83.3	16.7	90.0
Industry/business	16.5	25.6	69.7	45.5	19.2	20.0	57.1	26.3	D	4.2	7.8	4.5	6.1	58.3	10.0
Government	3.0	5.1	9.1	9.1	0.0	20.0	4.1	5.3	D	3.5	1.0	0.0	3.0	8.3	0.0
Nonprofit	4.7	5.5	0.0	0.0	0.0	0.0	0.0	10.5	D	9.8	3.9	3.4	7.6	8.3	0.0
Other and unknown	1.7	3.1	3.0	9.1	0.0	0.0	0.0	0.0	D	4.9	0.3	0.0	0.0	8.3	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes England, Wales, Scotland, and Northern Ireland.

[2] This table includes all citizens of the United Kingdom who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-14. Statistical profile of doctorate recipients from Western Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Total Number of Ph.D.s[2]	**2,535**	**1,725**	**238**	**76**	**125**	**62**	**337**	**304**	**126**	**457**	**810**	**523**	**97**	**71**	**119**
Percent men	69.0	76.3	80.7	86.8	79.2	83.9	93.2	67.1	72.2	65.2	53.5	47.2	44.3	62.0	83.2
Percent women	31.0	23.7	19.3	13.2	20.8	16.1	6.8	32.9	27.8	34.8	46.5	52.8	55.7	38.0	16.8
Percent with permanent visa	25.7	21.7	24.0	11.8	12.8	21.0	19.6	31.3	14.3	21.9	34.3	38.1	36.1	26.8	21.0
Percent with temporary visa	74.3	78.3	76.1	88.2	87.2	79.0	80.4	68.8	85.7	78.1	65.7	62.0	63.9	73.2	79.0
Percent married	46.3	45.1	42.0	53.9	39.2	48.4	42.7	49.7	42.9	45.7	48.9	48.8	45.4	62.0	44.5
Percent not married	48.3	50.1	55.5	42.1	56.8	48.4	53.7	44.1	50.0	48.4	44.4	45.1	46.4	31.0	47.9
Percent unknown	5.4	4.8	2.5	3.9	4.0	3.2	3.6	6.3	7.1	5.9	6.7	6.1	8.2	7.0	7.6
Median age at Ph.D. in years	31.3	30.6	29.2	30.7	29.3	30.8	29.7	30.9	31.3	31.7	33.4	33.2	36.7	34.3	32.1
Percent with dependents	28.5	26.8	18.9	43.4	25.6	24.2	27.0	25.3	35.7	27.1	32.2	29.3	33.0	47.9	35.3
Percent receiving sources of support[3]															
Personal	55.7	49.6	36.1	38.2	41.6	56.5	46.0	56.3	42.9	60.0	68.5	68.8	77.3	64.8	62.2
Foreign government	19.6	22.0	11.8	31.6	28.0	14.5	22.8	13.2	32.5	27.6	14.4	8.6	19.6	35.2	23.5
University	88.0	88.6	95.8	89.5	96.0	91.9	90.2	84.9	77.0	86.7	86.7	91.4	77.3	78.9	78.2
Teaching assistant	58.2	53.2	76.1	44.7	85.6	54.8	38.3	41.8	13.5	63.0	69.0	82.6	45.4	38.0	47.1
Research assistant	55.1	67.4	87.8	77.6	53.6	77.4	81.6	62.2	73.0	48.8	29.0	19.5	35.1	53.5	51.3
Other university	28.3	24.9	16.8	19.7	26.4	12.9	19.3	28.3	11.1	37.0	35.4	39.2	26.8	29.6	29.4
Other	21.9	23.5	15.5	21.1	18.4	35.5	24.3	23.7	15.1	29.5	18.4	14.9	21.6	18.3	31.1
Unknown	3.7	3.3	1.7	2.6	2.4	1.6	2.7	3.9	3.2	4.6	4.7	4.4	3.1	8.5	5.0
Median years from baccalaureate to Ph.D.															
Total time in years	7.9	7.4	6.5	7.8	6.3	8.1	6.9	7.5	8.2	8.4	9.4	9.3	12.2	9.1	8.5
Registered time	6.2	6.0	5.5	6.5	5.2	6.2	5.4	6.3	5.9	6.7	6.9	7.2	6.8	6.2	6.3

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Statistical profile of doctorate recipients from Western Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Planned location after Ph.D.															
Number with permanent visas	652	374	57	9	16	13	66	95	18	100	278	199	35	19	25
U.S. total: percent	81.0	80.0	73.7	100.0	75.0	100.0	77.3	85.3	50.0	82.0	82.4	83.9	74.3	73.7	88.0
Study	27.3	40.5	47.6	55.6	25.0	30.8	29.4	79.0	0.0	12.2	10.0	9.6	7.7	35.7	0.0
Employment	69.7	56.5	50.0	44.4	66.7	69.2	66.7	19.8	100.0	82.9	86.9	88.0	88.5	57.1	95.5
Unknown	3.0	3.0	2.4	0.0	8.3	0.0	3.9	1.2	0.0	4.9	3.1	2.4	3.8	7.1	4.5
Non-U.S.	9.8	11.2	14.0	0.0	12.5	0.0	13.6	9.5	27.8	9.0	7.9	6.5	8.6	15.8	12.0
Unknown location	9.2	8.8	12.3	0.0	12.5	0.0	9.1	5.3	22.2	9.0	9.7	9.5	17.1	10.5	0.0
Number with temporary visas	1,883	1,351	181	67	109	49	271	209	108	357	532	324	62	52	94
U.S. total: percent	43.1	42.3	47.0	32.8	37.6	55.1	41.3	52.2	37.0	37.8	45.1	53.7	33.9	40.4	25.5
Study	44.4	55.7	81.2	77.3	61.0	33.3	40.2	91.7	72.5	17.8	17.5	14.4	23.8	47.6	8.3
Employment	54.5	43.4	16.5	22.7	39.0	66.7	59.8	8.3	27.5	80.0	80.8	83.9	71.4	52.4	91.7
Unknown	1.1	0.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.7	1.7	4.8	0.0	0.0
Non-U.S.	48.0	48.6	44.2	53.7	56.9	32.7	47.2	38.8	52.8	54.9	46.4	36.7	61.3	53.8	66.0
Unknown location	9.0	9.2	8.8	13.4	5.5	12.2	11.4	9.1	10.2	7.3	8.5	9.6	4.8	5.8	8.5
Number planning location in the United States after Ph.D.	**1,339**	**870**	**127**	**31**	**53**	**40**	**163**	**190**	**49**	**217**	**469**	**341**	**47**	**35**	**46**
Percent with definite postdoctoral study	28.8	39.7	58.3	48.4	45.3	27.5	26.4	68.4	36.7	13.8	8.7	7.0	10.6	28.6	4.3
Percent with definite employment	44.6	35.6	15.7	25.8	35.8	57.5	44.8	8.9	22.4	64.1	61.2	61.9	63.8	34.3	73.9
Percent seeking postdoctoral study	8.8	10.8	11.8	22.6	7.5	5.0	10.4	17.9	22.4	1.8	5.1	5.0	4.3	14.3	0.0
Percent seeking employment	15.9	12.3	11.8	3.2	9.4	10.0	17.2	4.2	18.4	17.1	22.6	24.0	17.0	20.0	19.6
Percent with postdoctoral plans unknown	1.9	1.6	2.4	0.0	1.9	0.0	1.2	0.5	0.0	3.2	2.3	2.1	4.3	2.9	2.2

See explanatory information, if any, and SOURCE at end of table.

Table B-14. Statistical profile of doctorate recipients from Western Europe[1], by major field of doctorate: 1988–96

Item	Total All Fields	Total Science and Engineering	Physical Sciences	Earth, Atmospheric, and Ocean Sciences	Mathematics	Computer/ Information Sciences	Engineering	Biological Sciences	Agricultural Sciences	Psychology and Social Sciences	Non-Science and Engineering	Humanities	Education	Health Sciences	Professional and Other Fields
Number with definite employment plans in United States after Ph.D.	**597**	**310**	**20**	**8**	**19**	**23**	**73**	**17**	**11**	**139**	**287**	**211**	**30**	**12**	**34**
Primary work activity: percent															
R&D	41.0	62.3	75.0	62.5	52.6	52.2	78.1	58.8	63.6	55.4	18.1	11.4	16.7	66.7	44.1
Teaching	42.9	22.3	10.0	25.0	47.4	21.7	8.2	29.4	27.3	26.6	65.2	73.9	43.3	16.7	47.1
Administrative	0.8	0.7	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.7	1.0	0.0	10.0	0.0	0.0
Professional services	4.5	5.8	5.0	12.5	0.0	8.7	5.5	0.0	9.1	6.5	3.1	2.4	10.0	0.0	2.9
Other	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.9	0.0	8.3	2.9
Unknown	9.4	7.7	10.0	0.0	0.0	17.4	8.2	5.9	0.0	7.9	11.2	11.4	20.0	8.3	2.9
Type of employer: percent															
Educational institution[4]	72.2	54.5	15.0	75.0	78.9	43.5	26.0	35.3	45.5	75.5	91.3	95.7	73.3	58.3	91.2
Industry/business	19.3	33.9	85.0	25.0	21.1	52.2	65.8	41.2	45.5	7.2	3.5	0.9	13.3	8.3	8.8
Government	2.5	3.6	0.0	0.0	0.0	0.0	6.8	11.8	0.0	2.9	1.4	0.5	3.3	16.7	0.0
Nonprofit	3.0	3.9	0.0	0.0	0.0	4.3	1.4	11.8	9.1	5.0	2.1	1.9	3.3	8.3	0.0
Other and unknown	3.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.7	0.9	6.7	8.3	0.0

[1] Includes Andorra, Belgium, Gibraltar, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Switzerland, the Republic of Ireland, Austria, Liechtenstein, Malta, and unspecified Western European countries.

[2] This table includes all citizens of Western European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-15 Statistical profile of doctorate recipients from Canada by year of Ph.D., 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**482**	**301**	**287**	**295**	**317**	**353**	**363**	**419**	**511**	**509**	**486**	**490**	**524**	**501**
Percent men	82.8	76.4	71.1	69.5	69.1	67.1	70.8	65.9	64.8	66.4	58.4	62.4	58.4	61.9
Percent women	17.2	23.6	28.9	30.5	30.9	32.9	29.2	34.1	35.2	33.6	41.6	37.6	41.6	38.1
Percent with permanent visa	16.8	19.6	22.3	27.1	23.7	27.5	26.7	25.1	28.4	25.5	26.1	22.0	28.4	24.2
Percent with temporary visa	83.2	80.4	77.7	72.9	76.3	72.5	73.3	74.9	71.6	74.5	73.9	78.0	71.6	75.8
Percent married	68.1	57.8	50.2	56.3	51.4	54.4	49.0	50.6	48.7	51.3	46.5	49.0	45.2	48.9
Percent not married	30.1	41.5	47.4	40.7	45.1	43.6	48.5	45.3	42.3	43.2	45.7	45.7	46.2	44.9
Percent unknown	1.9	0.7	2.4	3.1	3.5	2.0	2.5	4.1	9.0	5.5	7.8	5.3	8.6	6.2
Median age at Ph.D. in years[2]	29.4	29.5	29.5	30.5	30.1	30.6	30.8	30.5	30.8	30.8	30.7	30.9	31.3	31.3
Percent with dependents	39.8	37.5	36.2	39.3	38.5	38.2	33.1	33.7	32.1	34.0	29.6	30.6	30.5	30.7
Percent receiving sources of support, percent[2, 3]														
Personal	50.5	46.8	61.7	58.4	59.7	65.5	65.9	61.7	59.3	59.2	64.2	55.6	57.7	63.8
Foreign government	0.0	0.0	0.0	0.0	27.6	38.4	35.5	35.2	30.0	28.9	28.1	31.6	29.6	35.1
University	87.9	83.3	87.0	84.3	80.1	83.3	89.5	87.0	84.5	90.8	90.5	89.5	87.2	90.2
Teaching assistant	52.0	46.8	44.8	48.3	43.1	49.3	50.9	51.0	45.5	60.2	57.5	53.5	44.9	62.0
Research assistant	53.7	55.1	61.7	55.6	60.2	58.1	62.7	64.0	64.6	67.8	70.9	62.5	63.9	72.1
Other university	41.6	31.4	37.0	29.8	22.1	27.1	32.7	21.3	20.9	22.0	30.2	28.4	28.5	44.2
Other	42.7	54.5	42.9	49.4	22.7	16.7	15.9	13.8	14.5	18.1	21.8	20.0	17.5	16.7
Unknown	1.4	0.0	3.2	2.8	7.2	3.4	2.7	3.6	6.1	2.0	2.5	1.5	4.4	3.3
Median years from baccalaureate to Ph.D.														
Total time, in years	8.0	8.9	9.1	9.0	9.1	9.5	9.3	9.0	9.5	9.2	9.5	8.9	9.9	9.6
Registered time, in years	5.6	6.0	6.5	6.5	6.8	6.9	6.8	6.8	6.8	6.9	7.0	7.0	7.2	7.0
Sciences & Engineering, percent	58.3	51.8	53.7	60.3	57.1	57.5	60.6	60.4	58.1	59.7	58.6	56.1	52.3	55.1
Physical Sciences	9.6	12.2	12.3	13.5	12.2	14.3	10.0	14.2	11.4	13.2	15.4	15.6	14.6	12.3
Earth, Atmospheric, and Ocean sciences	8.2	5.1	5.8	5.6	5.0	3.0	4.1	4.0	4.4	6.6	3.5	1.8	3.3	2.9
Mathematics	6.1	8.3	6.5	3.9	5.5	5.4	5.0	4.3	6.1	5.9	5.6	5.8	4.7	4.0
Computer/Information sciences	0.0	1.3	1.3	2.2	1.7	3.0	3.6	3.2	4.0	4.6	2.5	2.5	3.3	1.8
Engineering	10.7	12.8	14.3	10.1	16.0	13.8	17.3	16.2	18.2	15.1	14.7	13.1	15.0	16.3
Biological sciences	16.0	17.9	17.5	22.5	23.8	23.2	20.9	19.4	22.2	19.4	17.5	26.9	17.9	26.4
Agricultural sciences	5.0	5.1	7.8	7.3	7.2	5.4	5.5	6.3	3.7	3.9	4.6	2.9	3.7	5.1
Psychology and social sciences	44.5	37.2	34.4	34.8	28.7	32.0	33.6	32.4	30.0	31.3	36.1	31.3	37.6	31.2
Non-sciences and Engineering, percent	41.7	48.2	46.3	39.7	42.9	42.5	39.4	39.6	41.9	40.3	41.4	43.9	47.7	44.9
Humanities	31.8	30.3	33.1	34.2	27.9	38.0	35.7	37.3	36.9	36.6	31.8	36.3	34.8	37.3
Education	47.8	52.4	42.9	43.6	45.6	38.7	35.0	24.7	32.7	27.8	35.8	28.4	37.6	32.9
Health sciences	5.5	6.2	6.0	6.8	9.6	8.0	9.8	13.3	9.8	11.7	7.0	14.0	12.0	10.7
Professional and other fields	14.9	11.0	18.0	15.4	16.9	15.3	19.6	24.7	20.6	23.9	25.4	21.4	15.6	19.1
Planned location after Ph.D.[2]														
Number with permanent visas	41	32	29	49	40	53	55	55	75	76	71	58	78	70
U.S. total, percent	75.6	75.0	62.1	63.3	67.5	67.9	58.2	74.5	81.3	84.2	80.3	86.2	80.8	81.4
Study	41.9	33.3	16.7	51.6	55.6	55.6	56.3	29.3	39.3	32.8	43.9	42.0	39.7	47.4
Employment	58.1	66.7	83.3	48.4	44.4	44.4	43.8	70.7	59.0	65.6	50.9	58.0	60.3	50.9
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	5.3	0.0	0.0	1.8
Non-U.S.	12.2	3.1	13.8	8.2	20.0	15.1	16.4	10.9	13.3	15.8	15.5	12.1	12.8	11.4
Unknown location	12.2	21.9	24.1	28.6	12.5	17.0	25.5	14.5	5.3	0.0	4.2	1.7	6.4	7.1

See explanatory information, if any, and SOURCE at end of table

Table B-15. Statistical profile of doctorate recipients from Canada, by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	240	124	125	129	141	150	165	198	222	228	214	217	196	206
U.S. total, percent	24.2	33.9	38.4	31.8	35.5	39.3	37.6	40.4	45.5	46.9	50.0	50.7	56.1	60.7
Study	55.2	69.0	64.6	61.0	58.0	54.2	48.4	52.5	54.5	42.1	59.8	58.2	49.1	48.8
Employment	44.8	31.0	35.4	39.0	42.0	45.8	51.6	47.5	45.5	57.0	40.2	40.0	48.2	49.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.8	2.7	1.6
Non-U.S.	60.8	56.5	41.6	48.1	38.3	42.0	41.2	46.0	45.0	49.1	47.7	48.4	40.3	37.9
Unknown location	15.0	9.7	20.0	20.2	26.2	18.7	21.2	13.6	9.5	3.9	2.3	0.9	3.6	1.5
Number planning location in the United States after Ph.D.[2]:	**89**	**88**	**66**	**72**	**77**	**95**	**94**	**121**	**162**	**171**	**164**	**160**	**173**	**182**
Percent with definite postdoctoral study[4]	48.3	51.5	40.9	48.6	49.4	47.4	43.6	33.1	39.5	33.3	44.5	45.0	32.9	40.7
Percent with definite employment[4]	47.2	40.9	47.0	41.7	40.3	44.2	42.6	48.8	38.9	43.3	34.8	31.9	35.8	30.8
Percent seeking postdoctoral study[4]	2.2	4.5	10.6	8.3	7.8	7.4	7.4	11.6	9.3	5.3	9.8	8.1	12.7	7.7
Percent seeking employment[4]	2.2	3.0	1.5	1.4	2.6	1.1	6.4	6.6	11.7	17.0	9.1	13.8	16.8	19.2
Percent with postdoctoral plans unknown[4]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.3	1.7	1.6
Number with definite employment plans in United States after Ph.D.:	**42**	**27**	**31**	**30**	**31**	**42**	**40**	**59**	**63**	**74**	**57**	**51**	**62**	**56**
Primary work activity[2], percent														
R&D	35.7	66.7	45.2	56.7	67.7	45.2	67.5	49.2	49.2	55.4	45.6	56.9	53.2	39.3
Teaching	40.5	14.8	45.2	23.3	12.9	28.6	25.0	20.3	22.2	17.6	22.8	19.6	22.6	33.9
Administrative	4.8	0.0	0.0	3.3	0.0	2.4	2.5	1.7	0.0	2.7	0.0	2.0	1.6	3.6
Professional services	9.5	14.8	0.0	13.3	19.4	11.9	2.5	15.3	15.9	13.5	10.5	9.8	19.4	12.5
Other	0.0	3.7	0.0	3.3	0.0	4.8	0.0	0.0	4.8	1.4	0.0	3.9	0.0	3.6
Unknown	9.5	0.0	9.7	0.0	0.0	7.1	2.5	13.6	7.9	9.5	21.1	7.8	3.2	7.1
Type of employer, percent[2]														
Educational institution[5]	64.3	40.7	83.9	50.0	45.2	54.8	55.0	55.9	55.6	41.9	57.9	47.1	45.2	50.0
Industry/business	16.7	37.0	12.9	43.3	38.7	33.3	27.5	30.5	38.1	44.6	33.3	45.1	41.9	41.1
Government	2.4	3.7	3.2	3.3	6.5	0.0	7.5	5.1	1.6	2.7	0.0	3.9	1.6	5.4
Nonprofit	7.1	18.5	0.0	3.3	9.7	11.9	7.5	8.5	3.2	8.1	3.5	2.0	9.7	3.6
Other and unknown	9.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.6	2.7	5.3	2.0	1.6	0.0

[1] This table includes all citizens of Canada who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-16. Statistical profile of doctorate recipients from China, by year of Ph.D., 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**4**	**3**	**137**	**203**	**306**	**499**	**657**	**1,225**	**1,919**	**2,238**	**2,416**	**2,772**	**2,979**	**3,200**
Percent men	D	D	84.7	90.6	87.6	84.6	82.0	82.6	79.7	77.8	76.5	75.5	73.8	74.5
Percent women	D	D	15.3	9.4	12.4	15.4	18.0	17.4	20.3	22.3	23.6	24.5	26.3	25.5
Percent with permanent visa	D	D	3.7	3.4	7.5	6.2	5.5	4.7	5.8	8.6	16.1	64.6	79.4	56.0
Percent with temporary visa	D	D	96.4	96.6	92.5	93.8	94.5	95.3	94.2	91.4	83.9	35.4	20.6	44.0
Percent married	D	D	86.1	86.7	77.8	78.8	78.4	74.4	74.6	78.2	79.8	79.2	78.5	80.8
Percent not married	D	D	12.4	13.3	19.0	20.0	20.2	18.7	17.8	16.2	14.8	14.8	15.7	15.4
Percent unknown	D	D	1.5	0.0	3.3	1.2	1.4	6.9	7.7	5.6	5.4	6.0	5.8	3.8
Median age at Ph.D., in years[2]	D	D	39.9	39.6	36.8	32.5	32.2	32.0	32.4	32.3	32.5	32.4	32.3	32.6
Percent with dependents	D	D	73.7	76.8	62.7	60.9	57.2	58.5	59.1	61.9	62.9	63.4	60.8	62.7
Percent receiving sources of support, percent[2, 3]														
Personal	D	D	7.4	10.6	13.3	12.1	12.3	13.5	14.2	17.7	21.5	22.4	22.9	33.7
Foreign government	D	D	0.0	0.0	11.9	19.0	19.0	12.6	9.0	7.8	4.9	2.5	1.3	1.3
University	D	D	89.6	95.5	93.2	96.9	97.1	93.3	94.7	97.1	95.9	95.6	95.5	96.0
Teaching assistant	D	D	45.2	61.6	61.1	65.8	62.9	57.7	57.3	59.1	56.6	55.6	53.1	58.4
Research assistant	D	D	69.6	81.3	77.5	85.6	80.6	81.2	80.9	84.8	82.0	81.4	81.8	84.3
Other university	D	D	25.2	26.8	25.3	27.1	26.9	21.2	19.7	16.2	17.9	16.8	18.0	28.3
Other	D	D	25.9	19.2	8.5	6.7	7.6	4.4	5.1	5.1	5.8	6.1	5.6	8.2
Unknown	D	D	3.0	2.0	5.5	1.9	2.1	5.3	4.4	2.0	2.8	3.1	3.3	3.5
Median years from baccalaureate to Ph.D.														
Total time, in years	D	D	16.9	16.2	8.4	6.3	6.9	7.8	8.7	9.5	10.3	10.9	11.1	11.4
Registered time, in years	D	D	5.3	5.7	5.3	5.6	5.9	6.3	6.4	6.9	7.1	7.3	7.4	7.4
Sciences & Engineering, percent	D	D	98.5	97.5	95.8	96.2	94.4	93.9	93.4	91.4	92.2	91.3	92.4	92.3
Physical sciences	D	D	26.7	36.9	38.2	36.5	34.8	28.0	27.7	28.6	25.0	25.3	23.9	21.4
Earth, Atmospheric, and Ocean sciences	D	D	6.7	4.5	1.0	4.4	2.9	3.7	2.7	4.3	3.8	4.4	3.8	3.5
Mathematics	D	D	13.3	14.6	11.6	9.2	11.1	9.7	10.7	8.5	9.0	7.4	7.2	6.1
Computer/Information sciences	D	D	4.4	5.1	4.1	2.9	3.4	3.2	3.3	2.9	2.5	2.1	2.1	2.1
Engineering	D	D	35.6	28.3	29.4	27.5	25.6	28.5	26.6	24.8	24.4	25.9	28.1	27.1
Biological sciences	D	D	10.4	8.1	12.3	13.1	15.0	18.4	20.6	22.1	24.3	23.4	26.1	29.1
Agricultural sciences	D	D	1.5	1.0	0.7	2.9	3.2	3.2	3.6	3.3	3.1	3.2	2.4	4.2
Psychology and social sciences	D	D	1.5	1.5	2.7	3.5	3.9	5.1	4.9	5.6	7.9	8.3	6.4	6.5
Non-sciences and Engineering, percent	D	D	1.5	2.5	4.2	3.8	5.6	6.1	6.6	8.6	7.8	8.7	7.6	7.8
Humanities	D	D	100.0	40.0	30.8	42.1	35.1	26.7	23.0	30.6	27.0	32.8	25.6	29.8
Education	D	D	0.0	0.0	15.4	31.6	29.7	40.0	31.8	25.9	28.0	29.1	26.4	26.2
Health sciences	D	D	0.0	0.0	30.8	10.5	18.9	12.0	19.8	21.8	20.1	20.3	25.1	21.0
Professional and other fields	D	D	0.0	60.0	23.1	15.8	16.2	21.3	25.4	21.8	24.9	17.8	22.9	23.0
Planned location after Ph.D.[7]														
Number with permanent visas	D	D	5	7	22	26	36	54	100	162	352	1,642	2,169	1,628
U.S. total, percent	D	D	40.0	57.1	50.0	61.5	66.7	63.0	83.0	96.3	95.7	95.5	94.5	94.6
Study	D	D	50.0	50.0	45.5	37.5	62.5	35.3	50.6	53.2	47.5	54.0	53.8	48.3
Employment	D	D	50.0	50.0	54.5	62.5	33.3	61.8	47.0	39.7	45.1	42.3	42.5	48.9
Unknown	D	D	0.0	0.0	0.0	0.0	4.2	2.9	2.4	7.1	7.4	3.7	3.7	2.8
Non-U.S.	D	D	20.0	0.0	4.5	0.0	2.8	1.9	2.0	1.2	1.7	2.1	2.2	2.5
Unknown location	D	D	40.0	42.9	45.5	38.5	30.6	35.2	15.0	2.5	2.6	2.4	3.3	3.0

See explanatory information, if any, and SOURCE at end of table

Table B-16. Statistical profile of doctorate recipients from China, by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	D	D	130	191	271	454	584	1,096	1,693	1,683	1,875	889	583	1,324
U.S. total, percent	D	D	39.2	53.4	56.1	59.0	61.1	59.6	79.5	87.8	87.4	87.4	84.9	86.9
Study	D	D	68.6	79.4	80.9	79.1	77.0	65.5	61.6	62.3	62.5	58.4	58.2	59.0
Employment	D	D	25.5	20.6	18.4	20.9	22.1	33.7	36.6	34.4	34.4	38.9	38.0	39.2
Unknown	D	D	5.9		0.7	0.0	0.8	0.8	1.8	3.3	3.1	2.7	3.8	1.7
Non-U.S.	D	D	30.0	14.7	7.0	8.2	9.4	9.7	5.7	5.5	5.3	4.7	5.7	5.3
Unknown location	D	D	30.8	31.9	36.9	32.8	29.5	30.8	14.8	6.7	7.3	7.9	9.4	7.9
Number planning location in the United States after Ph.D.[2]:	**D**	**D**	**53**	**106**	**163**	**284**	**381**	**687**	**1,429**	**1,809**	**1,975**	**2,345**	**2,545**	**2,690**
Percent with definite postdoctoral study[4]	D	D	45.3	64.2	64.4	60.6	62.7	47.2	37.5	36.8	33.5	31.4	31.1	35.7
Percent with definite employment[4]	D	D	22.6	19.8	17.8	20.8	19.4	22.3	22.5	17.8	17.3	17.1	17.7	26.8
Percent seeking postdoctoral study[4]	D	D	22.6	14.2	14.1	16.2	13.4	16.9	23.4	24.7	26.5	24.1	23.6	17.2
Percent seeking employment[4]	D	D	3.8	1.9	3.1	2.5	3.4	12.8	14.7	17.1	18.9	24.0	23.9	18.0
Percent with postdoctoral plans unknown[4]	D	D	5.7	0.0	0.6	0.0	1.1	0.9	1.8	3.6	3.8	3.4	3.7	2.3
Number with definite employment plans in United States after Ph.D.:	**D**	**D**	**12**	**21**	**29**	**59**	**74**	**153**	**322**	**322**	**342**	**402**	**450**	**720**
Primary work activity[2], percent														
R&D	D	D	58.3	28.6	62.1	57.6	62.2	56.9	61.8	64.3	58.5	67.4	66.2	72.8
Teaching	D	D	33.3	61.9	27.6	27.1	25.7	16.3	15.5	13.4	18.4	9.7	9.1	6.8
Administrative	D	D	0.0	0.0	3.4	1.7	0.0	0.7	0.3	0.6	0.3	1.0	0.9	1.1
Professional services	D	D	0.0	0.0	0.0	3.4	1.4	5.2	3.7	3.4	3.5	5.0	8.7	11.1
Other	D	D	0.0	4.8	0.0	0.0	0.0	0.0	1.2	0.9	1.8	2.5	2.0	3.9
Unknown	D	D	8.3	4.8	6.9	10.2	10.8	20.9	17.4	17.4	17.5	14.4	13.1	4.3
Type of employer, percent[2]														
Educational institution[5]	D	D	66.7	76.2	62.1	69.5	66.2	46.4	41.6	39.8	42.1	25.4	23.8	13.6
Industry/business	D	D	25.0	14.3	34.5	25.4	27.0	47.1	51.9	52.2	48.8	63.7	66.9	79.4
Government	D	D	8.3	0.0	3.4	3.4	2.7	3.3	1.9	3.1	3.8	3.0	2.9	2.5
Nonprofit	D	D	0.0	9.5	0.0	0.0	2.7	2.6	4.0	2.2	2.3	3.5	3.1	2.9
Other and unknown	D	D	0.0	0.0	0.0	1.7	1.4	0.7	0.6	2.8	2.9	4.5	3.3	1.5

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of China who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-17 Statistical profile of doctorate recipients from Eastern Europe[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**25**	**28**	**55**	**67**	**57**	**69**	**72**	**106**	**118**	**124**	**148**	**217**	**281**	**433**
Percent men	80.0	75.0	69.1	73.1	82.5	81.2	72.2	71.7	78.4	74.2	68.9	75.1	75.9	73.7
Percent women	20.0	25.0	30.9	26.9	17.5	18.8	27.8	28.3	21.6	25.8	31.1	24.9	24.1	26.3
Percent with permanent visa	40.0	21.4	14.5	28.4	24.6	15.9	27.8	25.5	18.1	24.2	20.9	25.8	21.5	22.6
Percent with temporary visa	60.0	78.6	85.5	71.6	75.4	84.1	72.2	74.5	81.9	75.8	79.1	74.2	78.5	77.4
Percent married	56.0	32.1	61.8	64.2	54.4	59.4	61.1	61.3	56.0	62.1	59.5	59.4	62.5	57.5
Percent not married	44.0	67.9	34.5	32.8	43.9	40.6	36.1	32.1	34.5	33.1	35.1	34.6	24.5	37.6
Percent unknown	0.0	0.0	3.6	3.0	1.8	0.0	2.8	6.6	9.5	4.8	5.4	6.0	13.0	4.9
Median age at Ph.D. in years[3]	31.2	31.1	31.9	31.6	30.9	32.1	32.3	33.0	32.4	32.0	32.0	31.3	31.5	31.1
Percent with dependents	28.0	32.1	54.5	53.7	35.1	43.5	41.7	44.3	46.6	44.4	44.6	48.4	49.0	46.9
Percent receiving sources of support: percent[3,4]														
Personal	33.3	23.1	41.2	47.5	21.7	33.8	43.5	33.3	48.5	40.2	34.1	35.5	33.6	39.7
Foreign government	0.0	0.0	0.0	0.0	2.2	3.1	3.2	2.2	1.0	0.9	2.4	0.5	0.4	1.3
University	95.8	96.2	90.2	100.0	97.8	95.4	95.2	95.6	89.9	97.2	96.8	97.3	95.0	95.8
Teaching assistant	62.5	53.8	58.8	64.4	67.4	70.8	66.1	60.0	62.6	65.4	71.4	64.5	65.6	68.5
Research assistant	79.2	73.1	70.6	66.1	69.6	81.5	66.1	64.4	70.7	65.4	73.0	74.7	71.8	74.9
Other university	29.2	19.2	21.6	30.5	32.6	23.1	19.4	30.0	17.2	25.2	20.6	18.8	18.7	33.6
Other	20.8	26.9	13.7	8.5	13.0	18.5	14.5	14.4	13.1	15.9	10.3	10.8	10.0	13.5
Unknown	0.0	0.0	5.9	0.0	2.2	3.1	3.2	4.4	6.1	0.9	1.6	1.1	4.6	4.0
Median years from baccalaureate to Ph.D.														
Total time in years	7.8	8.8	8.9	8.2	7.4	8.3	8.9	9.0	8.6	9.0	9.1	8.5	7.8	7.8
Registered time in years	4.4	5.7	6.2	5.8	5.0	5.4	6.0	5.9	6.7	5.6	6.1	5.8	5.8	5.7
Sciences & Engineering: percent	96.0	92.9	92.7	88.1	80.7	94.2	86.1	84.9	85.3	86.3	85.1	85.7	92.3	87.3
Physical Sciences	41.7	19.2	33.3	27.1	34.8	33.8	17.7	14.4	18.2	20.6	15.9	22.6	24.9	25.9
Earth, Atmospheric, and Ocean sciences	0.0	0.0	2.0	0.0	2.2	3.1		1.1	1.0	3.7	2.4	3.2	2.1	3.7
Mathematics	4.2	19.2	17.6	22.0	32.6	16.9	16.1	31.1	19.2	27.1	28.6	23.7	22.0	23.3
Computer/Information sciences	0.0	7.7	3.9	3.4	0.0	9.2	8.1	5.6	7.1	4.7	5.6	5.9	3.3	2.6
Engineering	33.3	34.6	29.4	39.0	15.2	29.2	37.1	26.7	29.3	17.8	28.6	26.3	27.4	24.1
Biological sciences	8.3	19.2	7.8	1.7	8.7	4.6	6.5	8.9	11.1	10.3	11.1	10.8	11.2	10.6
Agricultural sciences	0.0	0.0	3.9	0.0	0.0	0.0	1.6	3.3	2.0	3.7	3.2	2.2	1.2	1.1
Psychology and social sciences	12.5	0.0	2.0	6.8	6.5	3.1	12.9	8.9	12.1	12.2	4.8	5.4	7.9	8.7
Non-sciences and Engineering: percent	4.0	7.1	7.3	11.9	19.3	5.8	13.9	15.1	14.7	13.7	14.9	14.3	7.7	12.7
Humanities	100.0	50.0	25.0	75.0	81.8	100.0	70.0	50.0	76.5	88.2	59.1	71.0	70.0	56.4
Education	0.0	0.0	25.0	25.0	9.1	0.0	10.0	18.8	5.9	5.9	9.1	9.7	5.0	10.9
Health sciences	0.0	0.0	0.0	0.0	9.1	0.0	0.0	6.3	5.9	0.0	4.5	6.5	0.0	5.5
Professional and other fields	0.0	50.0	50.0	0.0	0.0	0.0	20.0	25.0	11.8	5.9	27.3	12.9	25.0	27.3
Planned location after Ph.D.[3]														
Number with permanent visas	9	5	7	17	9	8	16	19	16	20	24	42	52	80
U.S. total: percent	100.0	100.0	85.7	58.8	55.6	50.0	62.5	52.6	81.3	85.0	100.0	95.2	88.5	90.0
Study	55.6	80.0	50.0	30.0	80.0	50.0	40.0	70.0	46.2	52.9	58.3	45.0	34.8	47.2
Employment	44.4	20.0	50.0	70.0	20.0	50.0	60.0	30.0	53.8	41.2	41.7	47.5	63.0	48.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	7.5	2.2	4.2
Non-U.S.	0.0	0.0	0.0	0.0	0.0	12.5	6.3	5.3	6.3	10.0	0.0	4.8	5.8	7.5
Unknown location	0.0	0.0	14.3	41.2	44.4	37.5	31.3	42.1	12.5	5.0	0.0	0.0	5.8	2.5

See explanatory information, if any, and SOURCE at end of table

Table B-17. Statistical profile of doctorate recipients from Eastern Europe[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	15	21	44	42	37	57	46	71	83	87	102	144	189	298
U.S. total, percent	20.0	33.3	61.4	64.3	56.8	52.6	50.0	53.5	62.7	75.9	71.6	70.8	72.0	75.5
Study	100.0	57.1	66.7	63.0	76.2	43.3	73.9	60.5	50.0	48.5	64.4	61.8	53.7	64.0
Employment	0.0	42.9	33.3	37.0	23.8	56.7	26.1	39.5	50.0	50.0	34.2	38.2	44.1	34.2
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.4	0.0	2.2	1.8
Non-U.S.	46.7	57.1	22.7	23.8	21.6	29.8	32.6	18.3	21.7	19.5	22.5	25.7	22.8	17.1
Unknown location	33.3	9.5	15.9	11.9	21.6	17.5	17.4	28.2	15.7	4.6	5.9	3.5	5.3	7.4
Number planning location in the United States after Ph.D.[3]:	**12**	**12**	**33**	**37**	**26**	**34**	**33**	**48**	**65**	**83**	**97**	**142**	**182**	**297**
Percent with definite postdoctoral study[5]	50.0	66.7	48.5	43.2	69.2	38.2	54.5	43.8	33.8	30.1	45.4	39.4	33.0	43.4
Percent with definite employment[5]	33.3	25.0	33.3	37.8	23.1	52.9	33.3	29.2	33.8	37.3	20.6	28.9	30.2	27.6
Percent seeking postdoctoral study[5]	16.7	0.0	15.2	10.8	7.7	5.9	9.1	18.8	15.4	19.3	17.5	17.6	15.9	16.5
Percent seeking employment[5]	0.0	8.3	3.0	8.1	0.0	2.9	3.0	8.3	16.9	10.8	15.5	12.0	18.7	10.1
Percent with postdoctoral plans unknown[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.0	2.1	2.2	2.4
Number with definite employment plans in United States after Ph.D.:	**4**	**3**	**11**	**14**	**6**	**18**	**11**	**14**	**22**	**31**	**20**	**41**	**55**	**82**
Primary work activity[3], percent														
R&D	D	D	54.5	64.3	83.3	61.1	72.7	64.3	59.1	54.8	55.0	70.7	61.8	64.6
Teaching	D	D	36.4	21.4	16.7	33.3	9.1	21.4	22.7	35.5	30.0	12.2	21.8	20.7
Administrative	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Professional services	D	D	0.0	0.0	0.0	5.6	0.0	7.1	0.0	0.0	0.0	4.9	7.3	4.9
Other	D	D	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.2	0.0	2.4	1.8	6.1
Unknown	D	D	9.1	14.3	0.0	0.0	18.2	7.1	13.6	6.5	15.0	9.8	7.3	2.4
Type of employer, percent[3]														
Educational institution[6]	D	D	81.8	57.1	66.7	77.8	81.8	50.0	59.1	67.7	65.0	43.9	50.9	35.4
Industry/business	D	D	18.2	35.7	33.3	16.7	18.2	35.7	18.2	29.0	35.0	51.2	47.3	56.1
Government	D	D	0.0	7.1	0.0	5.6	0.0	7.1	0.0	0.0	0.0	0.0	1.8	4.9
Nonprofit	D	D	0.0	0.0	0.0	0.0	0.0	7.1	9.1	3.2	0.0	4.9	0.0	2.4
Other and unknown	D	D	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	1.2

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes Albania, Bulgaria, Czechoslovakia, Czech Republic, Slovakia, Hungary, Poland, Romania, U.S.S.R., Russia, Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Moldova, Tadjikistan, Turkmenistan, Urkraine, Uzbekistan, Yugoslavia, Bosnia-Herzogovina, Croatia, Macedonia, Serbia-Montenegro, and unspecified Eastern European countries.

[2] This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-18. Statistical profile of doctorate recipients from France, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**67**	**32**	**46**	**50**	**69**	**78**	**70**	**94**	**107**	**116**	**136**	**132**	**117**	**101**
Percent men	76.1	68.8	65.2	62.0	59.4	62.8	60.0	58.5	61.7	62.1	66.9	60.6	67.5	60.4
Percent women	23.9	31.3	34.8	38.0	40.6	37.2	40.0	41.5	38.3	37.9	33.1	39.4	32.5	39.6
Percent with permanent visa	23.9	37.5	41.3	22.0	39.1	26.9	38.6	30.9	31.8	25.9	31.6	26.5	23.1	34.7
Percent with temporary visa	76.1	62.5	58.7	78.0	60.9	73.1	61.4	69.1	68.2	74.1	68.4	73.5	76.9	65.3
Percent married	68.7	78.1	58.7	38.0	47.8	52.6	47.1	39.4	47.7	36.2	41.2	43.2	38.5	39.6
Percent not married	31.3	21.9	39.1	56.0	49.3	43.6	48.6	53.2	43.9	56.0	57.4	53.0	56.4	58.4
Percent unknown	0.0	0.0	2.2	6.0	2.9	3.8	4.3	7.4	8.4	7.8	1.5	3.8	5.1	2.0
Median age at Ph.D. in years[2]	28.4	31.7	28.3	28.3	28.7	28.7	29.1	28.9	29.5	28.8	28.8	29.1	28.7	29.3
Percent with dependents	38.8	56.3	41.3	24.0	34.8	37.2	27.1	28.7	34.6	23.3	30.1	26.5	19.7	24.8
Percent receiving sources of support, percent[2, 3]														
Personal	38.6	37.5	50.0	55.9	56.3	56.6	45.1	60.0	52.2	46.8	50.5	56.3	41.0	70.6
Foreign government	0.0	0.0	0.0	0.0	6.3	17.0	13.7	18.5	10.4	11.7	14.0	10.4	9.6	14.7
University	86.4	100.0	82.1	88.2	87.5	90.6	88.2	81.5	88.1	85.7	92.5	87.5	90.4	89.7
Teaching assistant	61.4	43.8	42.9	47.1	41.7	52.8	54.9	50.8	52.2	50.6	59.1	49.0	51.8	52.9
Research assistant	47.7	81.3	75.0	82.4	75.0	71.7	72.5	58.5	64.2	64.9	78.5	72.9	75.9	76.5
Other university	29.5	37.5	7.1	17.6	20.8	22.6	27.5	21.5	17.9	16.9	12.9	14.6	18.1	25.0
Other	56.8	25.0	35.7	32.4	14.6	15.1	15.7	23.1	16.4	27.3	20.4	17.7	18.1	23.5
Unknown	0.0	0.0	10.7	2.9	2.1	5.7	5.9	6.2	4.5	5.2	0.0	2.1	4.8	2.9
Median years from baccalaureate to Ph.D.														
Total time, in years	7.0	9.0	8.2	6.7	7.4	7.5	6.7	6.8	7.8	8.0	7.5	7.2	7.5	7.3
Registered time, in years	5.0	5.4	6.9	6.0	5.8	6.3	5.5	6.1	5.9	6.7	6.2	6.8	6.0	6.5
Sciences & Engineering, percent	65.7	50.0	60.9	68.0	69.6	67.9	72.9	69.1	62.6	66.4	68.4	72.7	70.9	67.3
Physical sciences	9.1	12.5	25.0	17.6	27.1	7.5	17.6	12.3	19.4	26.0	31.2	30.2	26.5	14.7
Earth, Atmospheric, and Ocean sciences	6.8	6.3	7.1	8.8	0.0	7.5	5.9	4.6	6.0	2.6	3.2	2.1	4.8	2.9
Mathematics	11.4	6.3	0.0	5.9	12.5	11.3	3.9	10.8	4.5	3.9	3.2	2.1	3.6	0.0
Computer/Information sciences	0.0	0.0	0.0	2.9	0.0	3.8	0.0	6.2	6.0	10.4	1.1	3.1	7.2	2.9
Engineering	34.1	37.5	39.3	38.2	33.3	41.5	35.3	41.5	28.4	32.5	34.4	33.3	28.9	36.8
Biological sciences	2.3	0.0	7.1	5.9	6.3	7.5	19.6	6.2	17.9	7.8	10.8	11.5	12.0	14.7
Agricultural sciences	0.0	0.0	7.1	5.9	0.0	1.9	3.9	1.5	1.5	1.3	3.2	6.3	2.4	11.8
Psychology and social sciences	36.4	37.5	14.3	14.7	20.8	18.9	13.7	16.9	16.4	15.6	12.9	11.5	14.5	16.2
Non-sciences and Engineering, percent	34.3	50.0	39.1	32.0	30.4	32.1	27.1	30.9	37.4	33.6	31.6	27.3	29.1	32.7
Humanities	60.9	50.0	72.2	75.0	90.5	68.0	100.0	79.3	75.0	71.8	76.7	86.1	85.3	93.9
Education	0.0	12.5	5.6	0.0	0.0	0.0	0.0	6.9	5.0	12.8	4.7	8.3	5.9	0.0
Health sciences	0.0	0.0	11.1	12.5	4.8	4.0	0.0	6.9	5.0	5.1	9.3	2.8	2.9	3.0
Professional and other fields	39.1	37.5	11.1	12.5	4.8	28.0	0.0	6.9	15.0	10.3	9.3	2.8	5.9	3.0
Planned location after Ph.D.[2]														
Number with permanent visas	5	5	7	6	11	11	14	15	12	10	19	16	15	16
U.S. total, percent	D	D	57.1	50.0	45.5	72.7	50.0	66.7	83.3	80.0	47.4	87.5	73.3	81.3
Study	D	D	25.0	33.3	20.0	37.5	57.1	50.0	30.0	37.5	44.4	28.6	54.5	23.1
Employment	D	D	75.0	66.7	80.0	62.5	42.9	50.0	70.0	62.5	55.6	71.4	45.5	76.9
Unknown	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-U.S.	D	D	14.3	0.0	0.0	9.1	14.3	20.0	16.7	10.0	47.4	12.5	20.0	18.8
Unknown location	D	D	28.6	50.0	54.5	18.2	35.7	13.3	0.0	10.0	5.3	0.0	6.7	0.0

See explanatory information, if any, and SOURCE at end of table

Table B-18. Statistical profile of doctorate recipients from France, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	39	11	21	28	37	42	37	50	55	67	74	80	68	52
U.S. total, Percent	10.3	36.4	28.6	35.7	40.5	31.0	37.8	30.0	32.7	34.3	27.0	46.3	39.7	34.6
Study	75.0	0.0	83.3	40.0	26.7	38.5	64.3	40.0	55.6	39.1	50.0	43.2	66.7	50.0
Employment	25.0	100.0	16.7	60.0	66.7	61.5	35.7	60.0	44.4	60.9	45.0	54.1	29.6	44.4
Unknown	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	5.0	2.7	3.7	5.6
Non-U.S.	61.5	54.5	28.6	25.0	16.2	19.0	27.0	44.0	52.7	53.7	68.9	51.3	50.0	61.5
Unknown location	28.2	9.1	42.9	39.3	43.2	50.0	35.1	26.0	14.5	11.9	4.1	2.5	10.3	3.8
Number planning location in the United States after Ph.D.[2]:	**8**	**9**	**10**	**13**	**20**	**21**	**21**	**25**	**28**	**31**	**29**	**51**	**38**	**31**
Percent with definite postdoctoral study[4]	25.0	11.1	60.0	23.1	25.0	23.8	47.6	28.0	28.6	22.6	37.9	21.6	42.1	32.3
Percent with definite employment[4]	50.0	88.9	40.0	53.8	60.0	52.4	28.6	36.0	46.4	41.9	20.7	37.3	18.4	38.7
Percent seeking postdoctoral study[4]	25.0	0.0	0.0	15.4	0.0	14.3	14.3	16.0	17.9	16.1	10.3	17.6	21.1	6.5
Percent seeking employment[4]	0.0	0.0	0.0	7.7	10.0	9.5	9.5	20.0	7.1	19.4	27.6	21.6	15.8	19.4
Percent with postdoctoral plans unknown[4]	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3.4	2.0	2.6	3.2
Number with definite employment plans in United States after Ph.D.:	**4**	**8**	**4**	**7**	**12**	**11**	**6**	**9**	**13**	**13**	**6**	**19**	**7**	**12**
Primary work activity[3], percent														
R&D	D	87.5	D	28.6	58.3	63.6	66.7	44.4	69.2	61.5	50.0	63.2	85.7	66.7
Teaching	D	0.0	D	57.1	8.3	36.4	16.7	33.3	7.7	38.5	16.7	26.3	14.3	16.7
Administrative	D	0.0	D	0.0	8.3	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Professional services	D	0.0	D	14.3	8.3	0.0	0.0	11.1	7.7	0.0	33.3	5.3	0.0	8.3
Other	D	0.0	D	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Unknown	D	12.5	D	0.0	0.0	0.0	0.0	11.1	15.4	0.0	0.0	5.3	0.0	0.0
Type of employer, percent[2]														
Educational institution[5]	D	25.0	D	85.7	25.0	90.9	66.7	33.3	23.1	46.2	33.3	42.1	14.3	25.0
Industry/business	D	75.0	D	14.3	50.0	9.1	16.7	55.6	46.2	46.2	50.0	52.6	57.1	66.7
Government	D	0.0	D	0.0	8.3	0.0	16.7	11.1	0.0	7.7	16.7	0.0	28.6	8.3
Nonprofit	D	0.0	D	0.0	8.3	0.0	0.0	0.0	7.7	0.0	0.0	5.3	0.0	0.0
Other and unknown	D	0.0	D	0.0	8.3	0.0	0.0	0.0	23.1	0.0	0.0	0.0	0.0	0.0

D = data withheld to avoid potential disclosure of confidential information.

[1] This table includes all citizens of Eastern European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-19. Statistical profile of doctorate recipients from Germany[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**74**	**51**	**80**	**94**	**109**	**109**	**139**	**169**	**181**	**189**	**250**	**257**	**308**	**245**
Percent men	68.9	54.9	50.0	67.0	62.4	66.1	66.9	68.0	67.4	63.0	66.4	65.8	65.0	63.3
Percent women	31.1	45.1	50.0	33.0	37.6	33.9	33.1	32.0	32.6	37.0	33.6	34.2	35.0	36.7
Percent with permanent visa	43.2	54.9	45.0	41.5	40.4	36.7	30.9	38.5	29.8	34.4	34.4	33.5	31.4	31.4
Percent with temporary visa	56.8	45.1	55.0	58.5	59.6	63.3	69.1	61.5	70.2	65.6	65.6	66.5	68.6	68.6
Percent married	62.2	54.9	48.8	51.1	45.9	44.0	37.4	46.7	39.8	40.2	39.2	38.1	37.6	35.1
Percent not married	36.5	45.1	47.5	43.6	45.9	53.2	61.9	47.3	53.6	52.9	54.0	56.8	55.9	58.4
Percent unknown	1.4	0.0	3.8	5.3	8.3	2.8	0.7	5.9	6.6	6.9	6.8	5.1	6.5	6.5
Median age at Ph.D. in years[3]	31.6	31.3	30.5	30.3	30.2	30.3	30.6	30.3	30.3	31.0	30.8	31.0	30.7	31.5
Percent with dependents	28.4	31.4	26.3	27.7	27.5	24.8	18.7	27.2	21.0	22.8	25.6	21.4	19.3	22.9
Percent receiving sources of support, percent[3, 4]														
Personal	39.0	70.4	71.4	58.1	60.8	61.5	67.6	54.5	55.9	62.9	63.4	54.6	57.7	68.8
Foreign government	0.0	0.0	0.0	0.0	8.1	16.7	13.7	11.4	15.3	11.3	20.7	12.8	12.5	11.2
University	82.9	85.2	95.9	88.7	81.1	96.2	95.1	91.9	86.4	92.7	95.1	91.3	94.2	95.3
Teaching assistant	53.7	44.4	59.2	48.4	62.2	62.8	66.7	58.5	52.5	54.8	59.8	62.8	53.4	66.5
Research assistant	56.1	48.1	61.2	72.6	59.5	74.4	71.6	68.3	65.3	71.8	75.0	66.8	73.1	75.9
Other university	48.8	18.5	36.7	22.6	24.3	25.6	33.3	26.8	20.3	23.4	24.4	19.9	21.6	42.9
Other	39.0	37.0	18.4	27.4	18.9	23.1	17.6	16.3	20.3	23.4	22.0	21.4	15.9	23.5
Unknown	4.9	0.0	2.0	1.6	6.8	0.0	1.0	4.9	4.2	4.0	1.8	4.1	2.9	3.5
Median years from baccalaureate to Ph.D.														
Total time, in years	8.8	7.9	7.1	6.9	7.3	6.6	6.5	7.0	7.0	7.6	7.1	7.1	7.2	7.6
Registered time, in years	5.2	6.0	6.0	6.0	6.0	5.8	5.9	6.7	6.0	6.8	6.4	6.5	6.4	6.6
Sciences & Engineering, percent	55.4	52.9	61.3	66.0	67.9	71.6	73.4	72.8	65.2	65.6	65.6	76.3	68.0	69.4
Physical Sciences	9.8	18.5	8.2	25.8	29.7	21.8	23.5	26.0	29.7	24.2	20.7	19.9	20.7	19.4
Earth, Atmospheric, and Ocean sciences	2.4	0.0	4.1	3.2	4.1	9.0	7.8	6.5	0.8	7.3	3.7	5.6	4.8	5.3
Mathematics	12.2	3.7	12.2	11.3	16.2	11.5	11.8	11.4	5.1	8.1	11.0	7.7	8.7	12.4
Computer/Information sciences	0.0	1.1	2.0	4.8	2.7	7.7	3.9	4.1	10.2	7.3	4.9	4.1	7.7	4.7
Engineering	17.1	18.5	14.3	16.1	9.5	14.1	16.7	12.2	6.8	14.5	14.0	14.8	17.8	9.4
Biological sciences	14.6	22.2	24.5	14.5	9.5	12.8	9.8	12.2	21.2	12.1	18.9	19.9	17.3	22.9
Agricultural sciences	2.4	0.0	0.0	3.2	1.4	0.0	2.0	1.6	2.5	4.0	1.8	1.5	2.9	1.8
Psychology and social sciences	41.5	25.9	34.7	21.0	27.0	23.1	24.5	26.0	23.7	22.6	25.0	26.5	20.2	24.1
Non-sciences and Engineering, percent	44.6	47.1	38.8	34.0	32.1	28.4	26.6	27.2	34.8	34.4	34.4	23.7	32.0	30.6
Humanities	57.6	62.5	61.3	75.0	82.9	77.4	83.8	80.4	74.6	80.0	80.2	80.3	75.5	60.0
Education	18.2	16.7	22.6	9.4	2.9	9.7	8.1	6.5	11.1	3.1	7.0	8.2	5.1	14.7
Health sciences	3.0	4.2	0.0	0.0	2.9	3.2	2.7	0.0	4.8	1.5	2.3	4.9	6.1	9.3
Professional and other fields	21.2	16.7	16.1	15.6	11.4	9.7	5.4	13.0	9.5	15.4	10.5	6.6	13.3	16.0
Planned location after Ph.D.[3]														
Number with permanent visas	12	11	19	22	29	22	24	38	25	39	45	62	53	51
U.S. total, percent	58.3	36.4	63.2	63.6	58.6	54.5	62.5	81.6	80.0	82.1	80.0	82.3	86.8	82.4
Study	28.6	25.0	58.3	64.3	47.1	58.3	26.7	32.3	25.0	31.3	36.1	39.2	50.0	45.2
Employment	71.4	75.0	41.7	35.7	52.9	41.7	73.3	67.7	75.0	65.6	58.3	60.8	47.8	50.0
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.6	0.0	2.2	4.8
Non-U.S.	8.3	18.2	5.3	4.5	20.7	4.5	4.2	7.9	4.0	17.9	20.0	16.1	13.2	13.7
Unknown location	33.3	45.5	31.6	31.8	20.7	40.9	33.3	10.5	16.0	0.0	0.0	1.6	0.0	3.9

See explanatory information, if any, and SOURCE at end of table.

Table B-19. Statistical profile of doctorate recipients from Germany[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	29	16	30	40	45	56	78	85	93	85	119	134	155	119
U.S. total, percent	37.9	43.8	43.3	35.0	46.7	41.1	43.6	32.9	50.5	41.2	42.0	54.5	50.3	51.3
Study	27.3	57.1	61.5	50.0	52.4	65.2	58.8	50.0	61.7	60.0	52.0	61.6	57.7	62.3
Employment	72.7	42.9	38.5	50.0	47.6	34.8	41.2	50.0	38.3	37.1	48.0	35.6	41.0	34.4
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.7	1.3	3.3
Non-U.S.	41.4	18.8	20.0	32.5	24.4	28.6	34.6	42.4	37.6	51.8	55.5	40.3	44.5	43.7
Unknown location	20.7	37.5	36.7	32.5	28.9	30.4	21.8	24.7	11.8	7.1	2.5	5.2	5.2	5.0
Number planning location in the United States after Ph.D.[3]:	**18**	**11**	**25**	**28**	**38**	**35**	**49**	**59**	**67**	**67**	**88**	**124**	**124**	**103**
Percent with definite postdoctoral study[5]	22.2	36.4	48.0	46.4	50.0	45.7	44.9	28.8	44.8	35.8	33.7	41.1	39.5	45.6
Percent with definite employment[5]	61.1	45.5	40.0	32.1	42.1	34.3	49.0	49.2	31.3	29.9	30.2	33.9	26.6	27.2
Percent seeking postdoctoral study[5]	5.6	9.1	12.0	10.7	0.0	17.1	4.1	11.9	6.0	10.4	11.6	11.3	15.3	9.7
Percent seeking employment[5]	11.1	9.1	0.0	10.7	7.9	2.9	2.0	10.2	17.9	20.9	22.1	12.1	16.9	13.6
Percent with postdoctoral plans unknown[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.3	1.6	1.6	3.9
Number with definite employment plans in United States after Ph.D.:	**11**	**5**	**10**	**9**	**16**	**12**	**24**	**29**	**21**	**20**	**26**	**42**	**33**	**28**
Primary work activity[3], percent														
R&D	72.7	D	60.0	55.6	31.3	41.7	50.0	44.8	61.9	50.0	61.5	54.8	60.6	64.3
Teaching	0.0	D	30.0	33.3	25.0	41.7	33.3	34.5	9.5	35.0	26.9	26.2	27.3	17.9
Administrative	0.0	D	0.0	0.0	12.5	0.0	8.3	3.4	4.8	0.0	0.0	0.0	0.0	0.0
Professional services	0.0	D	0.0	11.1	6.3	16.7	8.3	6.9	4.8	0.0	0.0	14.3	6.1	10.7
Other	9.1	D	0.0	0.0	6.3	0.0	0.0	0.0	0.0	5.0	3.8	2.4	3.0	3.6
Unknown	18.2	D	10.0	0.0	18.8	0.0	0.0	10.3	19.0	10.0	7.7	2.4	3.0	3.6
Type of employer, percent[3]														
Educational institution[6]	27.3	D	50.0	77.8	37.5	50.0	62.5	75.9	57.1	75.0	53.8	54.8	60.6	57.1
Industry/business	54.5	D	20.0	11.1	43.8	25.0	33.3	20.7	33.3	20.0	26.9	31.0	24.2	35.7
Government	0.0	D	0.0	11.1	6.3	8.3	0.0	3.4	0.0	5.0	3.8	4.8	6.1	3.6
Nonprofit	0.0	D	10.0	0.0	6.3	16.7	0.0	0.0	9.5	0.0	3.8	2.4	3.0	0.0
Other and unknown	18.2	D	20.0	0.0	6.3	0.0	4.2	0.0	0.0	0.0	11.5	7.1	6.1	3.6

D = data withheld to avoid potential disclosure of confidential information.

[1] Includes East Germany, West Germany, and the united Germany.

[2] This table includes all citizens of Germany who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, and elementary/secondary schools.

SOURCE National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-20. Statistical profile of doctorate recipients from Greece, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**60**	**72**	**80**	**111**	**130**	**130**	**148**	**137**	**185**	**168**	**199**	**188**	**197**	**149**
Percent men	91.7	81.9	90.0	89.2	89.2	82.3	82.2	83.2	81.6	78.6	80.4	78.7	76.7	78.5
Percent women	8.3	18.1	10.0	10.8	10.8	17.7	17.8	16.8	18.4	21.4	19.6	21.3	23.4	21.5
Percent with permanent visa	38.3	20.8	31.3	25.2	24.6	20.0	19.2	20.4	17.8	11.9	17.6	12.8	15.2	18.1
Percent with temporary visa	61.7	79.2	68.8	74.8	75.4	80.0	80.8	79.6	82.2	88.1	82.4	87.2	84.8	81.9
Percent married	61.7	36.1	48.8	42.3	43.1	44.6	39.7	35.8	40.0	34.5	39.7	34.6	28.4	28.2
Percent not married	36.7	62.5	51.3	54.1	53.1	53.8	57.5	57.7	49.2	61.3	55.8	60.1	61.9	63.1
Percent unknown	1.7	1.4	0.0	3.6	3.8	1.5	2.7	6.6	10.8	4.2	4.5	5.3	9.6	8.7
Median age at Ph.D. in years[2]	31.0	29.8	29.6	28.7	29.2	29.3	29.4	29.8	29.9	29.5	29.4	29.7	29.7	29.2
Percent with dependents	45.0	27.8	36.3	27.0	30.0	32.3	22.6	22.6	24.3	19.6	18.6	18.1	11.7	13.4
Percent receiving sources of support, percent[2, 3]														
Personal	41.2	34.9	53.6	57.3	56.9	45.8	60.6	59.2	55.0	53.0	47.1	48.5	56.9	60.0
Foreign government	0.0	0.0	0.0	0.0	0.8	4.2	1.5	4.0	1.2	2.0	4.0	3.0	2.3	3.8
University	88.2	88.9	95.7	96.1	96.7	97.5	97.8	93.6	91.7	98.7	96.6	94.0	96.6	95.4
Teaching assistant	66.7	55.6	58.0	60.2	65.0	58.5	67.2	60.8	63.9	73.2	59.8	56.9	70.7	69.2
Research assistant	62.7	65.1	72.5	78.6	80.5	75.4	80.3	73.6	71.0	75.8	77.6	76.0	79.9	87.7
Other university	29.4	31.7	30.4	31.1	26.8	16.9	23.4	21.6	20.7	26.8	20.7	24.0	20.1	39.2
Other	25.5	20.6	15.9	10.7	2.4	6.8	9.5	9.6	7.1	12.8	13.2	9.6	8.0	16.9
Unknown	3.9	4.8	1.4	1.9	1.6	2.5	1.5	2.4	5.9	0.7	2.9	4.2	2.3	3.8
Median years from baccalaureate to Ph.D.														
Total time, in years	7.3	6.9	7.2	5.9	6.2	6.3	6.3	6.6	6.8	6.8	6.8	6.6	6.9	6.5
Registered time, in years	5.0	5.5	5.5	5.1	5.5	5.5	5.7	5.9	5.9	5.9	5.9	5.9	6.0	6.1
Sciences & Engineering, percent	85.0	87.5	86.3	92.8	94.6	90.8	93.8	91.2	91.4	88.7	87.4	88.8	88.3	87.2
Physical Sciences	23.5	20.6	13.0	18.4	14.6	16.9	14.6	13.6	15.4	19.5	19.0	18.6	20.7	22.3
Earth, Atmospheric, and Ocean sciences	3.9	0.0	0.0	1.9	0.8	2.5	1.5	0.0	1.2	0.7	3.4	3.0	0.0	0.0
Mathematics	3.9	6.3	11.6	7.8	8.9	5.9	9.5	7.2	7.1	8.7	7.5	9.0	7.5	9.2
Computer/Information sciences	0.0	0.0	2.9	2.9	4.9	1.7	1.5	5.6	8.3	6.0	4.6	9.0	11.5	6.9
Engineering	29.4	34.9	43.5	47.6	49.6	49.2	51.1	45.6	41.4	39.6	39.1	34.7	35.1	34.6
Biological sciences	7.8	12.7	7.2	8.7	4.1	9.3	6.6	8.0	7.1	8.7	8.0	7.8	8.6	8.5
Agricultural sciences	9.8	6.3	2.9	0.0	2.4	3.4	0.7	5.6	1.8	0.7	1.7	3.0	1.7	1.5
Psychology and social sciences	21.6	19.0	18.8	12.6	14.6	11.0	14.6	14.4	17.8	16.1	16.7	15.0	14.9	16.9
Non-sciences and Engineering, percent	15.0	12.5	13.8	7.2	5.4	9.2	6.2	8.8	8.6	11.3	12.6	11.2	11.7	12.8
Humanities	33.3	33.3	45.5	25.0	28.6	41.7	66.7	58.3	37.5	47.4	24.0	28.6	21.7	36.8
Education	33.3	33.3	27.3	25.0	28.6	25.0	11.1	16.7	18.8	26.3	28.0	9.5	21.7	5.3
Health sciences	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	25.0	5.3	12.0	9.5	21.7	21.1
Professional and other fields	33.3	33.3	27.3	50.0	42.9	25.0	22.2	25.0	18.8	21.1	36.0	52.4	34.8	36.8
Planned location after Ph.D.[2]														
Number with permanent visas	17	12	22	24	30	21	25	24	29	14	30	18	21	22
U.S. total, percent	47.1	83.3	63.6	66.7	73.3	52.4	72.0	66.7	82.8	92.9	80.0	77.8	85.7	77.3
Study	50.0	20.0	7.1	18.8	40.9	36.4	33.3	43.8	29.2	61.5	37.5	42.9	44.4	29.4
Employment	50.0	80.0	85.7	81.3	59.1	63.6	66.7	50.0	66.7	38.5	62.5	57.1	55.6	64.7
Unknown	0.0	0.0	7.1	0.0	0.0	0.0	0.0	6.3	4.2	0.0	0.0	0.0	0.0	5.9
Non-U.S.	5.9	0.0	4.5	12.5	0.0	0.0	8.0	4.2	10.3	7.1	13.3	16.7	14.3	22.7
Unknown location	47.1	16.7	31.8	20.8	26.7	47.6	20.0	29.2	6.9	0.0	6.7	5.6	0.0	0.0

See explanatory information, if any, and SOURCE at end of table.

Table B-20. Statistical profile of doctorate recipients from Greece, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	34	51	47	79	93	97	112	101	140	135	144	149	153	108
U.S. total, percent	29.4	33.3	46.8	51.9	45.2	57.7	33.9	48.5	47.1	51.1	53.5	40.9	52.3	54.6
Study	30.0	47.1	59.1	46.3	57.1	57.1	50.0	51.0	45.5	42.0	50.6	47.5	41.3	49.2
Employment	70.0	52.9	36.4	53.7	42.9	42.9	47.4	49.0	53.0	56.5	46.8	50.8	57.5	47.5
Unknown	0.0	0.0	4.5	0.0	0.0	0.0	2.6	0.0	1.5	1.4	2.6	1.6	1.3	3.4
Non-U.S.	35.3	25.5	25.5	17.7	16.1	7.2	24.1	32.7	32.9	43.7	36.8	52.3	41.8	42.6
Unknown location	35.3	41.2	27.7	30.4	38.7	35.1	42.0	18.8	20.0	5.2	9.7	6.7	5.9	2.8
Number planning location in the United States after Ph.D.[2]:	**18**	**27**	**36**	**57**	**64**	**67**	**56**	**65**	**90**	**82**	**101**	**75**	**98**	**76**
Percent with definite postdoctoral study[4]	22.2	29.6	30.6	28.1	46.9	40.3	41.1	35.4	26.7	29.3	31.7	34.7	23.5	32.9
Percent with definite employment[4]	55.6	59.3	44.4	52.6	45.3	43.3	48.2	38.5	42.2	30.5	34.7	37.3	34.7	34.2
Percent seeking postdoctoral study[4]	16.7	7.4	8.3	10.5	4.7	13.4	3.6	13.8	14.4	15.9	15.8	12.0	18.4	11.8
Percent seeking employment[4]	5.6	3.7	11.1	8.8	3.1	3.0	5.4	10.8	14.4	23.2	15.8	14.7	22.4	17.1
Percent with postdoctoral plans unknown[4]	0.0	0.0	5.6	0.0	0.0	0.0	1.8	1.5	2.2	1.2	2.0	1.3	1.0	3.9
Number with definite employment plans in United States after Ph.D.:	**10**	**16**	**16**	**30**	**29**	**29**	**27**	**25**	**38**	**25**	**35**	**28**	**34**	**26**
Primary work activity[2], percent														
R&D	60.0	50.0	43.8	53.3	69.0	34.5	63.0	60.0	55.3	64.0	57.1	50.0	76.5	53.8
Teaching	30.0	43.8	31.3	36.7	20.7	44.8	33.3	12.0	31.6	28.0	25.7	25.0	14.7	26.9
Administrative	0.0	0.0	6.3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	3.8
Professional services	0.0	6.3	0.0	3.3	10.3	3.4	0.0	4.0	2.6	4.0	5.7	10.7	2.9	11.5
Other	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0
Unknown	10.0	0.0	18.8	6.7	0.0	10.3	3.7	20.0	10.5	4.0	11.4	7.1	5.9	3.8
Type of employer, percent[2]														
Educational institution[5]	60.0	81.3	62.5	63.3	75.9	79.3	74.1	40.0	63.2	52.0	51.4	42.9	50.0	42.3
Industry/business	30.0	12.5	25.0	36.7	20.7	20.7	22.2	56.0	36.8	48.0	40.0	53.6	47.1	50.0
Government	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.6	0.0	3.8
Nonprofit	0.0	0.0	6.3	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
Other and unknown	10.0	6.3	6.3	0.0	0.0	0.0	3.7	4.0	0.0	0.0	5.7	0.0	0.0	3.8

[1] This table includes all citizens of Greece who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-21. Statistical profile of doctorate recipients from India, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**659**	**420**	**541**	**579**	**602**	**647**	**679**	**881**	**924**	**1,072**	**1,139**	**1,289**	**1,425**	**1,481**
Percent men	92.1	90.0	88.4	86.2	84.6	87.0	82.9	82.9	81.3	79.6	79.3	78.0	77.2	78.6
Percent women	7.9	10.0	11.6	13.8	15.4	13.0	17.1	17.1	18.7	20.4	20.7	22.0	22.8	21.4
Percent with permanent visa	29.6	19.8	19.0	18.3	18.4	18.9	19.4	19.0	15.3	18.3	17.2	17.6	15.4	16.4
Percent with temporary visa	70.4	80.2	81.0	81.7	81.6	81.1	80.6	81.0	84.7	81.7	82.8	82.4	84.6	83.6
Percent married	60.7	45.7	50.3	54.9	52.8	50.9	52.3	54.4	51.4	53.5	50.7	47.5	48.0	52.7
Percent not married	38.4	53.3	47.5	40.6	43.5	45.1	44.9	39.8	39.9	38.3	40.9	43.3	42.9	41.5
Percent unknown	0.9	1.0	2.2	4.5	3.7	4.0	2.8	5.8	8.7	8.1	8.4	9.2	9.1	5.7
Median age at Ph.D. in years[2]	29.8	29.2	29.7	29.8	29.7	29.7	29.6	29.8	29.8	29.7	29.8	29.6	29.7	29.7
Percent with dependents	46.3	41.0	41.4	44.2	41.4	41.3	40.2	43.2	38.6	38.3	35.7	33.1	34.0	35.3
Percent receiving sources of support, percent[2,3]														
Personal	34.7	28.0	28.2	29.4	27.2	30.2	32.3	31.4	27.4	29.0	28.7	28.1	25.9	39.4
Foreign government	0.0	0.0	0.0	0.0	1.0	1.0	1.1	0.6	1.1	0.6	0.9	0.7	0.7	1.2
University	91.4	94.3	95.0	97.0	95.8	96.3	96.6	94.5	93.1	95.7	95.8	93.4	93.4	94.9
Teaching assistant	52.1	59.8	59.2	67.6	69.2	64.0	61.9	61.2	63.0	66.3	67.2	65.1	59.3	68.4
Research assistant	72.2	74.4	72.5	74.0	73.6	78.8	80.2	78.2	75.1	78.6	78.2	75.9	78.5	83.9
Other university	22.2	22.4	19.4	19.8	19.9	21.2	21.8	19.7	17.4	17.4	20.5	16.6	17.6	26.2
Other	18.6	15.9	7.4	9.0	6.0	6.3	8.4	4.8	6.6	7.1	8.2	8.8	7.9	9.7
Unknown	2.2	1.1	2.8	0.6	2.2	1.7	2.1	3.8	5.6	2.9	2.8	5.1	5.5	4.1
Median years from baccalaureate to Ph.D.														
Total time, in years	9.3	8.5	8.6	9.0	8.8	8.8	8.5	8.5	8.1	8.3	8.4	8.4	8.4	8.3
Registered time, in years	6.2	6.3	6.4	6.6	6.6	6.7	6.9	6.8	6.6	6.8	6.9	6.9	6.9	6.9
Sciences & Engineering, percent	88.0	88.3	84.7	81.0	83.6	80.4	78.9	80.7	81.4	80.3	81.9	82.6	84.7	84.9
Physical Sciences	16.7	24.5	23.4	24.7	19.9	20.0	17.4	16.5	11.6	15.7	12.5	13.4	10.2	11.9
Earth, Atmospheric, and Ocean sciences	2.2	0.5	1.1	1.9	1.2	0.8	1.7	1.4	1.1	0.7	1.1	1.2	1.4	1.4
Mathematics	4.1	3.8	3.1	3.4	5.4	2.3	3.2	2.1	4.3	3.1	4.0	4.3	3.0	3.1
Computer/Information sciences	0.0	0.8	3.9	6.0	7.6	7.1	8.4	9.6	9.3	8.8	9.7	10.6	11.0	9.1
Engineering	50.2	49.6	46.3	43.5	40.6	49.0	46.8	44.2	47.5	47.0	48.0	45.1	47.4	49.1
Biological sciences	8.4	9.7	9.4	8.5	11.5	10.4	12.9	12.5	12.1	11.7	11.9	13.0	12.7	13.1
Agricultural sciences	7.8	2.4	2.8	2.6	1.2	2.1	1.5	2.8	2.1	2.3	1.8	2.0	3.1	2.1
Psychology and social sciences	10.5	8.6	10.0	9.4	12.7	8.3	8.2	11.0	12.1	10.6	11.0	10.4	11.3	10.2
Non-sciences and Engineering, percent	12.0	11.7	15.3	19.0	16.4	19.6	21.1	19.3	18.6	19.7	18.1	17.4	15.3	15.1
Humanities	31.6	22.4	7.2	15.5	17.2	14.2	16.8	13.5	12.8	13.3	13.1	12.5	14.7	12.1
Education	21.5	30.6	13.3	5.5	9.1	14.2	4.9	8.2	6.4	12.8	8.7	7.1	9.6	9.9
Health sciences	17.7	10.2	13.3	13.6	14.1	8.7	16.8	15.3	11.0	14.7	15.1	21.4	17.4	17.5
Professional and other fields	29.1	36.7	66.3	65.5	59.6	63.0	61.5	62.9	69.8	59.2	63.1	58.9	58.3	60.5
Planned location after Ph.D.[2]														
Number with permanent visas	162	63	74	70	87	84	94	119	108	148	142	173	168	199
U.S. total, percent	64.8	73.0	67.6	71.4	58.6	67.9	64.9	73.1	88.9	91.9	92.3	93.6	94.1	96.0
Study	28.6	28.3	30.0	34.0	29.4	31.6	39.3	43.7	30.2	41.9	35.1	31.5	36.1	34.0
Employment	70.5	71.7	70.0	64.0	70.6	68.4	60.7	56.3	67.7	55.2	60.3	64.8	60.1	63.4
Unknown	1.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.1	2.9	4.6	3.7	3.8	2.6
Non-U.S.	3.1	0.0	0.0	4.3	2.3	1.2	1.1	0.8	5.6	5.4	4.9	2.9	1.8	1.5
Unknown location	32.1	27.0	32.4	24.3	39.1	31.0	34.0	26.1	5.6	2.7	2.8	3.5	4.2	2.5

See explanatory information, if any, and SOURCE at end of table.

Table B-21. Statistical profile of doctorate recipients from India, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	418	308	384	399	416	436	442	592	644	713	791	892	1,039	1,059
U.S. total, percent	52.9	71.1	72.7	70.9	70.2	74.3	71.5	64.4	71.1	79.7	79.4	79.5	81.4	84.1
Study	47.1	49.3	55.2	53.4	52.4	54.0	52.8	42.3	39.7	42.8	42.8	45.1	44.7	39.8
Employment	52.0	49.8	44.8	45.6	46.6	45.7	45.6	57.0	59.2	55.3	54.9	52.3	53.8	59.4
Unknown	0.9	0.9	0.0	1.1	1.0	0.3	1.6	0.8	1.1	1.9	2.2	2.5	1.5	0.8
Non-U.S.	19.1	8.1	7.0	7.3	7.2	6.4	3.2	15.0	16.3	14.7	14.7	14.6	12.3	9.6
Unknown location	28.0	20.8	20.3	21.8	22.6	19.3	25.3	20.6	12.6	5.6	5.9	5.9	6.3	6.2
Number planning location in the United States after Ph.D.[2]:	**326**	**265**	**329**	**333**	**343**	**381**	**377**	**468**	**554**	**704**	**759**	**871**	**1,004**	**1,082**
Percent with definite postdoctoral study[4]	26.1	33.6	37.4	41.1	41.1	42.5	41.1	33.8	27.6	29.4	24.2	26.3	28.4	27.3
Percent with definite employment[4]	52.1	46.0	41.6	43.5	46.4	44.1	43.8	45.7	45.8	39.6	36.5	35.0	34.4	42.1
Percent seeking postdoctoral study[4]	15.0	12.1	14.0	9.3	7.9	8.1	9.5	8.8	10.5	13.2	17.3	16.3	14.9	11.6
Percent seeking employment[4]	5.8	7.5	7.0	4.8	3.8	5.0	4.2	11.1	14.8	15.6	19.4	19.6	20.4	17.9
Percent with postdoctoral plans unknown[4]	0.9	0.8	0.0	1.2	0.9	0.3	1.3	0.6	1.3	2.1	2.6	2.8	1.9	1.1
Number with definite employment plans in United States after Ph.D.:	**170**	**122**	**137**	**145**	**159**	**168**	**165**	**214**	**254**	**279**	**277**	**305**	**345**	**456**
Primary work activity[2], percent														
R&D	57.1	65.6	62.0	59.3	62.3	64.9	63.0	66.8	67.7	66.7	62.8	62.6	68.7	69.7
Teaching	21.2	21.3	24.8	29.7	27.7	21.4	22.4	16.8	15.4	14.7	14.8	14.8	11.3	9.9
Administrative	0.0	0.8	0.0	1.4	0.0	0.0	0.6	1.4	0.8	1.1	0.0	0.7	0.6	0.7
Professional services	7.1	4.1	5.1	3.4	4.4	4.2	4.8	2.8	4.7	7.5	6.9	5.9	6.1	13.4
Other	2.9	0.0	0.7	0.7	0.6	1.2	1.8	0.9	1.2	2.2	1.8	2.0	4.9	4.0
Unknown	11.8	8.2	7.3	5.5	5.0	8.3	7.3	11.2	10.2	7.9	13.7	14.1	8.4	2.4
Type of employer, percent[3]														
Educational institution[5]	27.6	32.0	44.5	46.9	54.7	47.0	46.1	41.1	35.0	31.5	32.5	28.2	22.0	15.8
Industry/business	62.4	59.8	47.4	47.6	41.5	48.2	49.1	54.2	59.1	62.4	59.2	63.9	70.4	79.2
Government	0.6	5.7	2.2	2.1	1.9	2.4	2.4	1.9	2.4	1.8	2.2	2.3	2.0	1.5
Nonprofit	7.1	2.5	3.7	1.4	1.3	0.6	2.4	1.9	1.6	2.5	3.6	3.3	2.6	2.0
Other and unknown	2.4	0.0	2.2	2.1	0.6	1.8	0.0	0.9	2.0	1.8	2.5	2.3	2.9	1.5

[1] This table includes all citizens of India who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-22. Statistical profile of doctorate recipients from Italy, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**21**	**19**	**55**	**58**	**59**	**77**	**77**	**88**	**115**	**99**	**101**	**108**	**116**	**102**
Percent men	81.0	94.7	80.0	70.7	67.8	71.4	66.2	69.3	61.7	67.7	58.4	62.0	69.0	62.7
Percent women	19.0	5.3	20.0	29.3	32.2	28.6	33.8	30.7	38.3	32.3	41.6	38.0	31.0	37.3
Percent with permanent visa	23.8	36.8	25.5	13.8	27.1	18.2	28.6	14.8	27.8	21.2	20.8	23.1	20.7	18.6
Percent with temporary visa	76.2	63.2	74.5	86.2	72.9	81.8	71.4	85.2	72.2	78.8	79.2	76.9	79.3	81.4
Percent married	71.4	73.7	47.3	44.8	47.5	33.8	45.5	37.5	47.8	40.4	41.6	41.7	37.1	35.3
Percent not married	23.8	26.3	49.1	51.7	50.8	64.9	51.9	58.0	47.8	49.5	49.5	50.0	55.2	60.8
Percent unknown	4.8	0.0	3.6	3.4	1.7	1.3	2.6	4.5	4.3	10.1	8.9	8.3	7.8	3.9
Median age at Ph.D. in years[2]	30.4	32.0	31.4	30.2	30.8	31.0	31.7	30.4	31.1	31.8	31.1	32.3	30.7	32.1
Percent with dependents	47.6	47.4	29.1	27.6	25.4	18.2	26.0	21.6	24.3	25.3	22.8	25.0	23.3	24.5
Percent receiving sources of support, percent[2, 3]														
Personal	21.4	40.0	51.1	55.1	54.3	52.4	57.1	50.8	52.3	49.3	53.9	61.4	50.6	55.8
Foreign government	0.0	0.0	0.0	0.0	15.2	22.2	17.9	23.8	18.6	19.2	21.1	32.5	22.2	29.9
University	92.9	80.0	91.1	95.9	93.5	88.9	96.4	88.9	87.2	91.8	86.8	94.0	93.8	94.8
Teaching assistant	42.9	20.0	51.1	61.2	52.2	55.6	66.1	46.0	53.5	68.5	63.2	63.9	67.9	70.1
Research assistant	64.3	53.3	48.9	67.3	71.7	65.1	66.1	66.7	58.1	63.0	59.2	57.8	55.6	71.4
Other university	28.6	40.0	37.8	30.6	34.8	27.0	33.9	23.8	27.9	23.3	22.4	28.9	23.5	44.2
Other	42.9	40.0	40.0	38.8	21.7	30.2	17.9	15.9	24.4	20.5	25.0	22.9	16.0	36.4
Unknown	0.0	0.0	6.7	2.0	2.2	3.2	0.0	1.6	2.3	2.7	5.3	3.6	3.7	1.3
Median years from baccalaureate to Ph.D.														
Total time, in years	7.0	7.6	8.7	6.8	6.8	7.2	7.4	7.1	7.1	7.5	7.1	7.4	7.5	7.5
Registered time, in years	4.8	5.8	5.4	5.2	5.0	5.3	5.3	5.8	5.6	6.4	5.7	6.1	5.8	5.9
Sciences & Engineering, percent	66.7	78.9	81.8	84.5	78.0	81.8	72.7	71.6	74.8	73.7	75.2	76.9	69.8	75.5
Physical Sciences	21.4	6.7	26.7	18.4	17.4	23.8	12.5	23.8	23.3	19.2	19.7	10.8	16.0	14.3
Earth, Atmospheric, and Ocean sciences	0.0	0.0	4.4	6.1	6.5	4.8	5.4	3.2	1.2	4.1	2.6	2.4	1.2	3.9
Mathematics	14.3	13.3	17.8	16.3	10.9	12.7	17.9	14.3	10.5	20.5	18.4	16.9	27.2	15.6
Computer/Information sciences	0.0	20.0	0.0	0.0	0.0	4.8	3.6	1.6	4.7	8.2	5.3	3.6	3.7	2.6
Engineering	14.3	13.3	15.6	16.3	21.7	11.1	26.8	22.2	14.0	13.7	13.2	13.3	11.1	10.4
Biological sciences	21.4	6.7	6.7	12.2	13.0	4.8	7.1	11.1	12.8	4.1	11.8	13.3	8.6	11.7
Agricultural sciences	0.0	13.3	4.4	4.1	2.2	1.6	0.0	0.0	0.0	2.7	0.0	2.4	3.7	2.6
Psychology and social sciences	28.6	26.7	24.4	26.5	28.3	36.5	26.8	23.8	33.7	27.4	28.9	37.3	28.4	39.0
Non-sciences and Engineering, percent	33.3	21.1	18.2	15.5	22.0	18.2	27.3	28.4	25.2	26.3	24.8	23.1	30.2	24.5
Humanities	100.0	100.0	90.0	77.8	100.0	50.0	85.7	88.0	86.2	73.1	80.0	92.0	77.1	84.0
Education	0.0	0.0	10.0	11.1	0.0	21.4	4.8	0.0	3.4	0.0	0.0	4.0	5.7	4.0
Health sciences	0.0	0.0	0.0	0.0	0.0	7.1	0.0	12.0	3.4	7.7	4.0	0.0	8.6	4.0
Professional and other fields	0.0	0.0	0.0	11.1	0.0	21.4	9.5	0.0	6.9	19.2	16.0	4.0	8.6	8.0
Planned location after Ph.D.[2]														
Number with permanent visas	2	5	11	6	10	9	11	5	17	12	14	16	11	11
U.S. total, percent	D	D	36.4	50.0	70.0	55.6	54.5	D	70.6	100.0	78.6	93.8	72.7	63.6
Study	D	D	25.0	33.3	42.9	60.0	16.7	D	33.3	41.7	63.6	33.3	62.5	57.1
Employment	D	D	75.0	66.7	57.1	40.0	83.3	D	66.7	58.3	36.4	60.0	37.5	42.9
Unknown	D	D	0.0	0.0	0.0	0.0	0.0	D	0.0	0.0	0.0	6.7	0.0	0.0
Non-U.S.	D	D	18.2	0.0	0.0	0.0	9.1	D	11.8	0.0	0.0	6.3	27.3	36.4
Unknown location	D	D	45.5	50.0	30.0	44.4	36.4	D	17.6	0.0	21.4	0.0	0.0	0.0

See explanatory information, if any, and SOURCE at end of table

Table B-22 Statistical profile of doctorate recipients from Italy, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	12	10	34	43	36	54	45	58	69	61	62	67	70	66
U.S. total, percent	33.3	20.0	32.4	44.2	27.8	44.4	28.9	34.5	36.2	41.0	30.6	40.3	41.4	40.9
Study	0.0	50.0	54.5	57.9	40.0	37.5	53.8	60.0	52.0	44.0	47.4	48.1	51.7	70.4
Employment	100.0	50.0	45.5	42.1	60.0	62.5	46.2	40.0	48.0	56.0	52.6	51.9	44.8	29.6
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0
Non-U.S.	66.7	60.0	47.1	37.2	41.7	46.3	51.1	48.3	55.1	52.5	61.3	56.7	54.3	53.0
Unknown location	0.0	20.0	20.6	18.6	30.6	9.3	20.0	17.2	8.7	6.6	8.1	3.0	4.3	6.1
Number planning location in the United States after Ph.D.[2]:	**6**	**5**	**15**	**22**	**17**	**29**	**19**	**23**	**37**	**37**	**30**	**42**	**37**	**34**
Percent with definite postdoctoral study[4]	16.7	D	33.3	50.0	29.4	34.5	15.8	30.4	32.4	24.3	46.7	21.4	37.8	47.1
Percent with definite employment[4]	83.3	D	40.0	45.5	52.9	55.2	57.9	34.8	48.6	43.2	30.0	28.6	21.6	17.6
Percent seeking postdoctoral study[4]	0.0	D	13.3	4.5	11.8	6.9	26.3	30.4	13.5	18.9	6.7	21.4	16.2	20.6
Percent seeking employment[4]	0.0	D	13.3	0.0	5.9	3.4	0.0	4.3	5.4	13.5	16.7	26.2	21.6	14.7
Percent with postdoctoral plans unknown[4]	0.0	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.7	0.0
Number with definite employment plans in United States after Ph.D.:	**5**	**2**	**6**	**10**	**9**	**16**	**11**	**8**	**18**	**16**	**9**	**12**	**8**	**6**
Primary work activity[3], percent														
R&D	D	D	66.7	60.0	44.4	68.8	54.5	50.0	61.1	43.8	55.6	66.7	25.0	83.3
Teaching	D	D	33.3	30.0	22.2	18.8	27.3	37.5	16.7	37.5	11.1	8.3	50.0	16.7
Administrative	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Professional services	D	D	0.0	10.0	33.3	0.0	0.0	12.5	5.6	6.3	0.0	8.3	0.0	0.0
Other	D	D	0.0	0.0	0.0	6.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown	D	D	0.0	0.0	0.0	6.3	0.0	0.0	16.7	12.5	33.3	16.7	25.0	0.0
Type of employer, percent[2]														
Educational institution[5]	D	D	83.3	60.0	44.4	81.3	54.5	62.5	61.1	75.0	55.6	58.3	100.0	50.0
Industry/business	D	D	16.7	20.0	33.3	6.3	36.4	25.0	22.2	18.8	33.3	8.3	0.0	33.3
Government	D	D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0
Nonprofit	D	D	0.0	0.0	22.2	0.0	0.0	12.5	11.1	0.0	11.1	8.3	0.0	0.0
Other and unknown	D	D	0.0	20.0	0.0	12.5	9.1	0.0	5.6	6.3	0.0	16.7	0.0	16.7

D = data withheld to avoid potential disclosure of confidential information

[1] This table includes all citizens of Italy who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-23. Statistical profile of doctorate recipients from Korea[1], by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**190**	**158**	**392**	**493**	**681**	**790**	**933**	**1,259**	**1,397**	**1,474**	**1,409**	**1,475**	**1,306**	**1,251**
Percent men	91.6	90.5	87.8	89.5	88.5	88.9	86.1	86.6	84.3	85.2	84.7	82.9	81.2	82.3
Percent women	8.4	9.5	12.2	10.5	11.5	11.1	13.9	13.4	15.7	14.8	15.3	17.2	18.8	17.7
Percent with permanent visa	44.7	23.4	16.1	11.8	8.2	8.7	7.9	7.6	8.7	8.3	9.3	9.4	10.0	11.1
Percent with temporary visa	55.3	76.6	83.9	88.2	91.8	91.3	92.1	92.5	91.3	91.7	90.7	90.6	90.0	88.9
Percent married	85.8	84.8	86.0	87.2	87.2	88.1	88.3	85.5	82.1	83.7	83.4	81.7	79.8	76.1
Percent not married	13.7	13.9	11.5	11.8	11.2	11.3	11.3	10.9	12.5	12.5	12.5	14.5	15.5	18.2
Percent unknown	0.5	1.3	2.6	1.0	1.6	0.6	0.4	3.6	5.4	3.9	4.1	3.8	4.7	5.7
Median age at Ph.D. in years[3]	33.2	32.9	33.4	33.1	33.0	33.1	33.1	33.2	33.3	33.5	33.5	33.8	33.8	33.8
Percent with dependents	68.4	72.8	81.9	82.2	80.8	82.8	83.0	80.6	77.7	77.9	78.6	76.4	74.0	72.6
Percent receiving sources of support, percent[3,4]														
Personal	44.2	53.8	79.7	78.4	72.7	75.0	75.7	72.4	72.7	76.6	73.3	74.1	74.1	79.9
Foreign government	0.0	0.0	0.0	0.0	5.8	9.3	7.6	7.9	5.1	6.5	7.0	5.7	5.6	7.9
University	93.5	92.4	89.5	93.3	92.4	95.3	93.6	89.2	90.1	91.6	89.5	89.2	87.3	88.6
Teaching assistant	48.7	49.2	39.1	48.0	50.3	53.9	50.9	47.5	47.3	46.9	46.5	46.0	46.1	49.5
Research assistant	71.4	66.7	67.4	71.1	72.9	74.6	72.6	70.5	71.7	71.0	72.6	70.7	67.1	71.6
Other university	27.9	28.0	19.1	19.2	16.4	15.9	13.1	15.1	9.9	14.6	14.3	13.3	12.6	20.5
Other	18.8	9.1	17.2	16.4	12.8	5.8	8.2	5.7	7.0	6.4	7.0	7.0	5.6	8.9
Unknown	1.3	2.3	3.4	0.7	2.4	1.6	1.5	4.5	5.2	3.6	3.7	4.4	5.8	5.4
Median years from baccalaureate to Ph.D.														
Total time, in years	10.3	9.8	10.5	10.3	10.3	10.2	10.0	10.0	10.3	10.5	10.4	10.8	10.8	10.8
Registered time, in years	6.3	6.5	6.8	6.8	6.5	6.8	6.9	7.3	7.3	7.5	7.5	7.6	7.8	7.6
Sciences & Engineering, percent	81.1	83.5	82.9	81.5	80.6	78.6	80.7	77.8	79.7	76.5	79.7	78.0	77.0	78.3
Physical Sciences	15.6	17.4	16.0	16.2	16.2	15.8	15.1	16.9	13.9	11.5	11.5	15.8	15.1	15.0
Earth, Atmospheric, and Ocean sciences	4.5	2.3	2.5	1.0	2.9	1.9	1.1	2.4	1.9	1.8	1.5	1.1	2.3	1.8
Mathematics	7.8	3.8	4.3	4.5	5.3	5.0	3.7	4.4	4.4	5.1	3.7	3.0	4.4	4.9
Computer/Information sciences		0.8	2.8	2.0	2.4	3.4	2.3	3.3	4.0	4.3	3.4	4.9	3.6	5.9
Engineering	31.8	31.1	40.9	43.5	43.4	41.4	40.9	36.8	39.1	38.8	43.1	37.3	34.2	33.0
Biological sciences	7.1	6.8	7.4	7.0	8.0	9.2	8.6	10.5	9.6	10.6	12.2	13.2	12.5	12.2
Agricultural sciences	6.5	3.8	3.7	2.7	3.8	4.0	4.3	4.2	4.1	4.0	3.5	3.0	3.3	4.0
Psychology and social sciences	26.6	34.1	22.5	23.1	18.0	19.3	24.0	21.7	23.1	24.1	21.1	21.6	24.6	23.2
Non-sciences and Engineering, percent	18.9	16.5	17.1	18.5	19.4	21.4	19.3	22.2	20.3	23.5	20.3	22.0	23.1	21.7
Humanities	16.7	23.1	17.9	18.7	13.6	15.4	14.4	15.0	14.8	17.3	21.0	20.6	24.3	23.9
Education	38.9	57.7	19.4	22.0	28.0	27.2	29.4	24.3	25.8	25.4	25.2	25.9	24.9	24.6
Health sciences	11.1	3.8	4.5	4.4	2.3	1.8	6.1	4.3	4.6	6.1	7.3	7.1	6.3	10.7
Professional and other fields	33.3	15.4	58.2	54.9	56.1	55.6	50.0	56.4	54.8	51.3	46.5	46.5	44.5	40.8
Planned location after Ph.D.[3]														
Number with permanent visas	69	34	47	46	36	49	52	70	91	83	91	99	87	93
U.S. total, percent	60.9	58.8	42.6	43.5	38.9	51.0	51.9	45.7	63.7	65.1	65.9	70.7	59.8	62.4
Study	38.1	40.0	55.0	60.0	78.6	40.0	63.0	46.9	46.6	61.1	51.7	57.1	46.2	41.4
Employment	59.5	60.0	45.0	40.0	21.4	52.0	37.0	53.1	51.7	35.2	48.3	42.9	50.0	58.6
Unknown	2.4	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.7	3.7	0.0	0.0	3.9	0.0
Non-U.S.	2.9	11.8	17.0	19.6	11.1	4.1	11.5	21.4	24.2	28.9	28.6	26.3	33.3	35.5
Unknown location	36.2	29.4	40.4	37.0	50.0	44.9	36.5	32.9	12.1	6.0	5.5	3.0	6.9	2.2

See explanatory information, if any, and SOURCE at end of table

Table B-23 Statistical profile of doctorate recipients from Korea[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	85	98	278	356	513	572	701	909	1,023	1,044	1,032	1,051	918	886
U.S. total, percent	35.3	44.9	32.0	36.8	35.5	39.2	37.1	30.4	32.7	30.6	32.4	34.9	36.7	35.0
Study	46.7	75.0	67.4	69.5	68.7	74.1	75.4	73.6	69.8	67.7	74.3	76.0	76.6	76.1
Employment	53.3	25.0	31.5	29.8	30.8	25.0	24.2	26.1	29.9	30.4	24.0	22.9	21.7	21.6
Unknown	0.0	0.0	1.1	0.8	0.5	0.9	0.4	0.4	0.3	1.9	1.8	1.1	1.8	2.3
Non-U.S.	41.2	36.7	38.5	34.6	29.6	30.4	30.2	50.8	55.6	63.8	62.9	59.1	57.6	58.4
Unknown location	23.5	18.4	29.5	28.7	34.9	30.4	32.7	18.8	11.7	5.7	4.8	6.0	5.7	6.7
Number planning location in the United States after Ph.D.[3]:	**72**	**64**	**109**	**151**	**196**	**249**	**287**	**308**	**392**	**373**	**394**	**437**	**389**	**368**
Percent with definite postdoctoral study[5]	31.9	51.6	48.6	59.6	54.1	56.2	60.6	51.0	44.4	42.6	40.9	41.9	45.0	49.5
Percent with definite employment[5]	48.6	32.8	28.4	29.8	25.0	22.9	22.0	22.1	17.9	16.4	10.2	11.0	9.0	15.0
Percent seeking postdoctoral study[5]	9.7	12.5	16.5	8.6	15.3	14.5	13.6	19.8	21.9	24.1	30.0	31.1	27.5	21.2
Percent seeking employment[5]	8.3	3.1	5.5	1.3	5.1	4.8	3.5	6.8	15.3	14.8	17.5	15.1	16.5	12.5
Percent with postdoctoral plans unknown[5]	1.4	0.0	0.9	0.7	0.5	1.6	0.3	0.3	0.5	2.1	1.5	0.9	2.1	1.9
Number with definite employment plans in United States after Ph.D.:	**35**	**21**	**31**	**45**	**49**	**57**	**63**	**68**	**70**	**61**	**40**	**48**	**35**	**55**
Primary work activity[3], percent														
R&D	62.9	47.6	67.7	51.1	73.5	42.1	49.2	72.1	68.6	62.3	75.0	62.5	45.7	81.8
Teaching	25.7	14.3	22.6	44.4	18.4	49.1	36.5	20.6	25.7	16.4	15.0	20.8	34.3	12.7
Administrative	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
Professional services	2.9	4.8	3.2	0.0	0.0	1.8	4.8	4.4	2.9	4.9	2.5	2.1	11.4	1.8
Other	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.8
Unknown	8.6	28.6	6.5	4.4	6.1	7.0	9.5	2.9	2.9	16.4	7.5	10.4	8.6	1.8
Type of employer, percent[3]														
Educational institution[6]	37.1	28.6	38.7	60.0	53.1	66.7	63.5	44.1	50.0	45.9	45.0	43.8	51.4	36.4
Industry/business	57.1	57.1	51.6	31.1	40.8	29.8	31.7	45.6	41.4	39.3	45.0	41.7	42.9	58.2
Government	2.9	4.8	6.5	6.7	2.0	1.8	4.8	2.9	2.9	6.6	2.5	8.3	0.0	1.8
Nonprofit	2.9	4.8	3.2	2.2	2.0	0.0	0.0	4.4	1.4	3.3	5.0	6.3	5.7	1.8
Other and unknown	0.0	4.8	0.0	0.0	2.0	1.8	0.0	2.9	4.3	4.9	2.5	0.0	0.0	1.8

[1] Includes all responses for South Korea, North Korea, and unspecified Korean locations.

[2] This table includes all citizens of Korea who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-24 Statistical profile of doctorate recipients from Mexico, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**52**	**67**	**121**	**120**	**103**	**107**	**136**	**130**	**156**	**149**	**162**	**178**	**161**	**180**
Percent men	88.5	92.5	81.8	85.8	84.5	89.7	82.4	83.8	79.5	81.2	79.0	70.8	82.0	82.8
Percent women	11.5	7.5	18.2	14.2	15.5	10.3	17.6	16.2	20.5	18.8	21.0	29.2	18.0	17.2
Percent with permanent visa	13.5	9.0	12.4	17.5	14.6	16.8	16.9	19.2	18.6	16.1	21.6	16.9	19.9	15.6
Percent with temporary visa	86.5	91.0	87.6	82.5	85.4	83.2	83.1	80.8	81.4	83.9	78.4	83.1	80.1	84.4
Percent married	67.3	77.6	72.7	72.5	63.1	67.3	73.5	62.3	58.3	61.7	64.2	61.8	73.3	67.8
Percent not married	30.8	19.4	26.4	25.8	32.0	29.0	25.7	29.2	37.2	33.6	32.7	31.5	21.7	28.9
Percent unknown	1.9	3.0	0.8	1.7	4.9	3.7	0.7	8.5	4.5	4.7	3.1	6.7	5.0	3.3
Median age at Ph.D. in years[2]	31.3	31.2	32.9	31.4	31.7	33.0	32.8	32.8	33.9	35.0	33.8	33.9	35.8	35.3
Percent with dependents	48.1	65.7	69.4	67.5	59.2	63.6	66.2	59.2	56.4	59.1	58.6	52.8	65.8	65.0
Percent receiving sources of support, percent[2, 3]														
Personal	26.3	38.6	38.6	40.2	48.8	51.1	42.5	46.2	38.3	42.6	43.2	32.4	38.3	53.8
Foreign government	0.0	0.0	0.0	0.0	36.0	50.0	53.3	44.2	40.6	45.2	44.6	45.1	51.6	61.4
University	73.7	56.1	70.3	69.1	75.6	82.6	85.8	81.7	75.8	83.5	77.7	74.6	68.0	79.1
Teaching assistant	31.6	26.3	29.7	32.0	40.7	35.9	49.2	45.2	39.8	45.2	42.4	39.4	32.8	50.0
Research assistant	52.6	35.1	43.6	49.5	52.3	56.5	55.8	53.8	48.4	58.3	54.0	49.3	46.9	55.1
Other university	26.3	8.8	19.8	27.8	17.4	13.0	25.8	14.4	22.7	25.2	21.6	16.9	13.3	34.8
Other	71.1	66.7	60.4	50.5	18.6	17.4	19.2	18.3	16.4	25.2	15.1	19.7	24.2	29.7
Unknown	5.3	5.3	3.0	6.2	5.8	1.1	1.7	7.7	4.7	2.6	3.6	4.9	4.7	3.8
Median years from baccalaureate to Ph.D.														
Total time, in years	8.4	7.8	9.3	9.0	9.3	9.1	10.0	9.0	9.9	11.5	10.3	10.3	11.7	11.7
Registered time, in years	5.0	5.0	5.5	5.5	5.9	5.7	5.9	6.4	6.6	6.8	7.0	6.7	6.6	6.9
Sciences & Engineering, percent	73.1	85.1	83.5	80.8	83.5	86.0	88.2	80.0	82.1	77.2	85.8	79.8	79.5	87.8
Physical Sciences	10.5	7.0	11.9	15.5	16.3	12.0	5.0	10.6	10.9	10.4	10.8	9.2	5.5	8.2
Earth, Atmospheric, and Ocean sciences	10.5	12.3	3.0	0.0	7.0	3.3	6.7	5.8	3.1	3.5	7.9	4.9	6.3	6.3
Mathematics	13.2	3.5	8.9	7.2	7.0	4.3	5.8	6.7	6.3	5.2	7.2	6.3	6.3	5.7
Computer/Information sciences	0.0	0.0	0.0	2.1	3.5	0.0	2.5	1.0	3.1	3.5	0.7	2.1	0.0	6.3
Engineering	28.9	22.8	23.8	20.6	24.4	29.3	23.3	24.0	17.2	13.9	19.4	21.1	20.3	23.4
Biological sciences	10.5	8.8	13.9	13.4	11.6	19.6	21.7	15.4	21.1	23.5	16.5	19.7	28.1	18.4
Agricultural sciences	10.5	26.3	24.8	17.5	9.3	20.7	15.0	23.1	18.0	13.9	17.3	16.9	21.1	14.6
Psychology and social sciences	15.8	19.3	13.9	23.7	20.9	10.9	20.0	13.5	20.3	26.1	20.1	19.7	12.5	17.1
Non-sciences and Engineering, percent	26.9	14.9	16.5	19.2	16.5	14.0	11.8	20.0	17.9	22.8	14.2	20.2	20.5	12.2
Humanities	28.6	30.0	20.0	34.8	23.5	13.3	18.8	34.6	42.9	44.1	34.8	44.4	48.5	45.5
Education	50.0	30.0	60.0	43.5	17.6	46.7	37.5	23.1	32.1	26.5	26.1	27.8	24.2	9.1
Health sciences	14.3	40.0	10.0	13.0	23.5	20.0	12.5	23.1	10.7	17.6	8.7	22.2	15.2	27.3
Professional and other fields	7.1	0.0	10.0	8.7	35.3	20.0	31.3	19.2	14.3	11.8	30.4	5.6	12.1	18.2
Planned location after Ph.D.[2]														
Number with permanent visas	3	3	10	11	10	15	16	17	21	18	28	19	23	20
U.S. total, percent	D	D	90.0	36.4	40.0	40.0	62.5	76.5	61.9	66.7	75.0	73.7	73.9	80.0
Study	D	D	33.3	50.0	25.0		60.0	53.8	15.4	8.3	47.6	28.6	41.2	31.3
Employment	D	D	66.7	50.0	75.0	83.3	40.0	46.2	84.6	83.3	52.4	64.3	58.8	62.5
Unknown	D	D	0.0	0.0	0.0	16.7	0.0	0.0	0.0	8.3	0.0	7.1	0.0	6.3
Non-U.S.	D	D	0.0	27.3	20.0	20.0	18.8	23.5	28.6	22.2	21.4	26.3	17.4	20.0
Unknown location	D	D	10.0	36.4	40.0	40.0	18.8	0.0	9.5	11.1	3.6	0.0	8.7	0.0

See explanatory information, if any, and SOURCE at end of table

Table B-24 Statistical profile of doctorate recipients from Mexico, by year of Ph D 1975 1980 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	35	54	91	86	76	77	104	87	107	97	111	123	105	138
U S total percent	11 4	14 8	12 1	23 3	35 5	29 9	38 5	24 1	42 1	27 8	29 7	28 5	26 7	31 2
Study	75 0	62 5	36 4	65 0	55 6	65 2	50 0	76 2	60 0	51 9	60 6	62 9	64 3	55 8
Employment	25 0	37 5	63 6	35 0	40 7	34 8	50 0	23 8	37 8	48 1	39 4	34 3	32 1	41 9
Unknown	0 0	0 0	0 0	0 0	3 7	0 0	0 0	0 0	2 2	0 0	0 0	2 9	3 6	2 3
Non-U S	68 6	70 4	60 4	54 7	44 7	49 4	47 1	59 8	49 5	70 1	67 6	65 9	72 4	65 9
Unknown location	20 0	14 8	27 5	22 1	19 7	20 8	14 4	16 1	8 4	2 1	2 7	5 7	1 0	2 9
Number planning location in the United States after Ph.D.[2]:	**5**	**10**	**20**	**24**	**31**	**29**	**50**	**34**	**58**	**39**	**54**	**49**	**45**	**59**
Percent with definite postdoctoral study[4]	D	50 0	25 0	54 2	38 7	31 0	38 0	35 3	37 9	25 6	29 6	36 7	42 2	27 1
Percent with definite employment[4]	D	40 0	65 0	37 5	38 7	41 4	46 0	26 5	37 9	30 8	25 9	22 4	15 6	27 1
Percent seeking postdoctoral study[4]	D	10 0	10 0	8 3	12 9	20 7	14 0	32 4	12 1	12 8	25 9	16 3	13 3	22 0
Percent seeking employment[4]	D	0 0	0 0	0 0	6 5	3 4	2 0	5 9	10 3	28 2	18 5	20 4	26 7	20 3
Percent with postdoctoral plans unknown[4]	D	0 0	0 0	0 0	3 2	3 4	0 0	0 0	1 7	2 6		4 1	2 2	3 4
Number with definite employment plans in United States after Ph.D.:	**1**	**4**	**13**	**9**	**12**	**12**	**23**	**9**	**22**	**12**	**14**	**11**	**7**	**16**
Primary work activity[2] percent														
R&D	D	D	38 5	55 6	58 3	58 3	56 5	66 7	31 8	75 0	57 1	54 5	57 1	43 8
Teaching	D	D	46 2	44 4	25 0	16 7	30 4	33 3	40 9	0 0	14 3	27 3	14 3	43 8
Administrative	D	D	0 0	0 0	8 3	0 0	0 0	0 0	0 0	0 0	7 1	9 1	0 0	0 0
Professional services	D	D	7 7	0 0	0 0	25 0	0 0	0 0	18 2	8 3	7 1	0 0	14 3	0 0
Other	D	D	0 0	0 0	0 0	0 0	0 0	0 0	4 5	0 0	0 0	0 0	14 3	6 3
Unknown	D	D	7 7	0 0	8 3	0 0	13 0	0 0	4 5	16 7	14 3	9 1	0 0	6 3
Type of employer percent[2]														
Educational institution[5]	D	D	53 8	77 8	58 3	58 3	52 2	55 6	54 5	41 7	50 0	36 4	28 6	50 0
Industry/business	D	D	46 2	22 2	25 0	41 7	39 1	33 3	31 8	41 7	35 7	54 5	71 4	25 0
Government	D	D	0 0	0 0	0 0	0 0	4 3	11 1	9 1	16 7	0 0	0 0	0 0	6 3
Nonprofit	D	D	0 0	0 0	16 7	0 0	0 0	0 0	0 0	0 0	0 0	9 1	0 0	0 0
Other and unknown	D	D	0 0	0 0	0 0	0 0	4 3	0 0	4 5	0 0	14 3	0 0	0 0	18 8

D = data withheld to avoid potential disclosure of confidential information

[1] This table includes all citizens of Mexico who indicated a visa status (permanent or temporary visa) Those with unknown visa status are not included

[2] Sciences and engineering Ph D s only

[3] In this table a recipient counts once in each source category from which he or she received support Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent "Personal" includes a recipient's own earnings, family support, and loans Federal research assistants are aggregated with university research assistants

[4] Includes only those Ph D recipients intending to remain in the United States after graduation

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools

SOURCE National Science Foundation, Division of Science Resources Studies *Survey of Earned Doctorates*

Table B-25. Statistical profile of doctorate recipients from Scandinavia[1], by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**56**	**48**	**42**	**57**	**71**	**66**	**66**	**92**	**85**	**95**	**93**	**99**	**111**	**116**
Percent men	87.5	75.0	73.8	73.7	71.8	72.7	66.7	71.7	63.5	60.0	72.0	62.6	70.3	53.4
Percent women	12.5	25.0	26.2	26.3	28.2	27.3	33.3	28.3	36.5	40.0	28.0	37.4	29.7	46.6
Percent with permanent visa	17.9	20.8	21.4	28.1	14.1	22.7	13.6	18.5	31.8	24.2	22.6	22.2	26.1	30.2
Percent with temporary visa	82.1	79.2	78.6	71.9	85.9	77.3	86.4	81.5	68.2	75.8	77.4	77.8	73.9	69.8
Percent married	58.9	60.4	57.1	56.1	53.5	57.6	68.2	51.1	52.9	49.5	47.3	48.5	48.6	46.6
Percent not married	37.5	35.4	40.5	38.6	43.7	39.4	28.8	44.6	37.6	45.3	48.4	41.4	45.0	43.1
Percent unknown	3.6	4.2	2.4	5.3	2.8	3.0	3.0	4.3	9.4	5.3	4.3	10.1	6.3	10.3
Median age at Ph.D. in years[3]	31.1	31.3	31.6	31.6	30.5	32.3	30.9	32.3	31.5	32.0	32.2	31.5	31.5	31.6
Percent with dependents	42.9	50.0	50.0	38.6	38.0	40.9	40.9	40.2	40.0	35.8	31.2	39.4	37.8	32.8
Percent receiving sources of support, percent[3, 4]														
Personal	51.2	52.8	60.0	60.0	53.8	42.0	50.9	50.7	57.6	59.4	57.3	50.8	48.2	69.8
Foreign government	0.0	0.0	0.0	0.0	26.9	18.0	22.6	30.4	42.4	33.3	26.7	34.4	49.4	40.7
University	87.8	86.9	90.0	91.1	92.3	86.0	92.5	81.2	83.3	85.5	88.0	78.7	92.8	86.0
Teaching assistant	46.3	58.3	50.0	60.0	55.8	40.0	52.8	44.9	42.4	46.4	53.3	42.6	50.6	61.6
Research assistant	65.9	63.9	70.0	62.2	71.2	62.0	69.8	55.1	65.2	62.3	64.0	65.6	71.1	73.3
Other university	34.1	25.0	30.0	26.7	34.6	34.0	30.2	31.9	19.7	13.0	21.3	16.4	27.7	34.9
Other	39.0	44.4	56.7	37.8	28.8	24.0	32.1	33.3	33.3	30.4	25.3	41.0	25.3	36.0
Unknown	0.0	2.8	0.0	4.4	5.8	8.0	3.8	5.8	6.1	4.3	4.0	0.0	1.2	10.5
Median years from baccalaureate to Ph.D.														
Total time, in years	7.1	7.6	7.8	7.6	7.3	7.5	8.0	7.9	8.3	8.0	8.4	7.6	7.7	9.0
Registered time, in years	5.3	5.5	6.4	6.0	6.2	6.0	5.8	6.0	7.0	6.2	6.6	6.7	6.6	6.9
Sciences & Engineering, percent	73.2	75.0	71.4	78.9	73.2	75.8	80.3	75.0	77.6	72.6	80.6	61.6	74.8	74.1
Physical Sciences	7.3	22.2	23.3	17.8	19.2	18.0	18.9	17.4	15.2	18.8	13.3	16.4	8.4	18.6
Earth, Atmospheric, and Ocean sciences	12.2	5.6	16.7	6.7	3.8	8.0	5.7	10.1	4.5	5.8	10.7	4.9	6.0	3.5
Mathematics	26.8	11.1	10.0	8.9	15.4	10.0	15.1	4.3	9.1	7.2	8.0	3.3	7.2	3.5
Computer/Information sciences	0.0	8.3	6.7	8.9	3.8	2.0	3.8	1.4	9.1	0.0	4.0	9.8	10.8	5.8
Engineering	17.1	16.7	23.3	8.9	26.9	18.0	18.9	18.8	10.6	18.8	16.0	26.2	25.3	12.8
Biological sciences	4.9	5.6	3.3	13.3	7.7	14.0	9.4	17.4	15.2	14.5	12.0	11.5	20.5	17.4
Agricultural sciences	12.2	5.6	3.3	4.4	0.0	10.0	11.3	2.9	9.1	7.2	1.3	1.6	2.4	4.7
Psychology and social sciences	19.5	25.0	13.3	31.1	23.1	20.0	17.0	27.5	27.3	27.5	34.7	26.2	19.3	33.7
Non-sciences and Engineering, percent	26.8	25.0	28.6	21.1	26.8	24.2	19.7	25.0	22.4	27.4	19.4	38.4	25.2	25.9
Humanities	26.7	25.0	41.7	58.3	31.6	37.5	38.5	26.1	42.1	65.4	38.9	42.1	39.3	46.7
Education	33.3	25.0	33.3	8.3	15.8	12.5	30.8	21.7	21.1	15.4	33.3	23.7	14.3	10.0
Health sciences	0.0	16.7	0.0	8.3	10.5	12.5	0.0	21.7	5.3	7.7	11.1	10.5	14.3	6.7
Professional and other fields	40.0	33.3	25.0	25.0	42.1	37.5	30.8	30.4	31.6	11.5	16.7	23.7	32.1	36.7
Planned location after Ph.D.[3]	**8**	**9**	**2**	**11**	**7**	**11**	**6**	**11**	**16**	**11**	**13**	**12**	**20**	**28**
Number with permanent visas	62.5	66.7	100.0	63.6	100.0	72.7	50.0	72.7	81.3	63.6	84.6	83.3	80.0	73.1
U.S. total, percent	0.0	16.7	50.0	42.9	57.1	25.0	100.0	62.5	23.1	0.0	45.5	40.0	37.5	42.1
Study	100.0	83.3	50.0	57.1	42.9	75.0	0.0	37.5	76.9	100.0	54.5	60.0	62.5	47.4
Employment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
Unknown	25.0	11.1	0.0	9.1	0.0	18.2	16.7	9.1	6.3	27.3	7.7	16.7	20.0	15.4
Non-U.S.	12.5	22.2	0.0	27.3	0.0	9.1	33.3	18.2	12.5	9.1	7.7	0.0	0.0	11.5
Unknown location	33.0	27.0	28.0	34.0	45.0	39.0	47.0	58.0	50.0	58.0	62.0	49.0	63.0	60.0

See explanatory information, if any, and SOURCE at end of table.

Table B-25. Statistical profile of doctorate recipients from Scandinavia[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	24	41	54	29	27	18	43	35	34	41	39	29	49	40
U.S. total, percent	50.0	63.6	53.3	50.0	66.7	71.4	65.0	70.0	52.9	54.2	50.0	50.0	51.6	62.5
Study	50.0	36.4	46.7	50.0	33.3	28.6	35.0	30.0	47.1	45.8	50.0	50.0	48.4	29.2
Employment	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
Unknown	54.5	37.0	28.6	55.9	46.7	43.6	31.9	53.4	52.0	55.2	56.5	69.4	49.2	51.7
Non-U.S.	21.2	22.2	17.9	14.7	26.7	38.5	25.5	12.1	14.0	3.4	4.8	2.0	1.6	8.3
Unknown location														
Number planning location in the United States after Ph.D.[3]:	**13**	**17**	**17**	**17**	**10**	**15**	**23**	**28**	**30**	**31**	**35**	**24**	**47**	**43**
Percent with definite postdoctoral study[5]	23.1	35.3	47.1	41.2	52.6	40.0	43.5	46.4	33.3	32.3	28.6	33.3	36.2	27.9
Percent with definite employment[5]	69.2	52.9	47.1	52.9	31.6	53.3	30.4	32.1	46.7	41.9	28.6	33.3	44.7	20.9
Percent seeking postdoctoral study[5]	7.7	11.8	5.9	5.9	10.5	6.7	26.1	21.4	6.7	9.7	20.0	12.5	10.6	25.6
Percent seeking employment[5]	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	13.3	16.1	22.9	20.8	8.5	16.3
Percent with postdoctoral plans unknown[5]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
Number with definite employment plans in United States after Ph.D.:	**9**	**9**	**8**	**9**	**6**	**8**	**7**	**9**	**14**	**13**	**10**	**8**	**21**	**9**
Primary work activity[3], percent														
R&D	66.7	77.8	75.0	77.8	66.7	37.5	71.4	44.4	57.1	61.5	60.0	62.5	81.0	44.4
Teaching	11.1	11.1	12.5	11.1	33.3	25.0	14.3	22.2	28.6	15.4	30.0	12.5	9.5	22.2
Administrative	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Professional services	0.0	0.0	12.5	0.0	0.0	25.0	0.0	22.2	7.1	0.0	10.0	25.0	4.8	22.2
Other	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	4.8	11.1
Unknown	0.0	0.0	0.0	0.0	0.0	12.5	0.0	11.1	0.0	23.1	0.0	0.0	0.0	0.0
Type of employer, percent[3]														
Educational institution[6]	55.6	33.3	62.5	66.7	83.3	37.5	71.4	44.4	71.4	76.9	60.0	25.0	23.8	66.7
Industry/business	44.4	44.4	37.5	22.2	16.7	25.0	14.3	44.4	28.6	7.7	20.0	50.0	61.9	33.3
Government	0.0	0.0	0.0	11.1	0.0	12.5	0.0	0.0	0.0	7.7	10.0	25.0	0.0	0.0
Nonprofit	0.0	22.2	0.0	0.0	0.0	12.5	0.0	0.0	0.0	7.7	10.0	0.0	4.8	0.0
Other and unknown	0.0	0.0	0.0	0.0	0.0	12.5	14.3	11.1	0.0	0.0	0.0	0.0	9.5	0.0

[1] Includes Denmark, Finland, Iceland, Norway, Sweden, and unspecified Northern European countries.

[2] This table includes all citizens of Scandinavian countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-26. Statistical profile of doctorate recipients from Taiwan, by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[1]	**550**	**455**	**833**	**796**	**873**	**912**	**977**	**1,149**	**1,321**	**1,431**	**1,456**	**1,576**	**1,485**	**1,398**
Percent men	89.5	86.2	86.2	85.9	85.0	84.6	81.0	80.3	81.0	79.4	78.0	77.4	75.2	74.3
Percent women	10.5	13.8	13.8	14.1	15.0	15.4	19.0	19.7	19.0	20.6	22.0	22.6	24.9	25.8
Percent with permanent visa	45.3	34.3	21.0	20.4	19.7	18.0	16.7	14.4	13.6	14.5	13.1	13.8	13.0	11.8
Percent with temporary visa	54.7	65.7	79.0	79.6	80.3	82.0	83.3	85.6	86.5	85.5	87.0	86.2	87.0	88.2
Percent married	80.9	73.4	71.5	76.0	75.3	75.0	74.7	69.6	71.3	71.1	68.4	67.0	64.9	63.8
Percent not married	18.0	25.9	26.8	22.9	23.0	24.3	23.7	25.3	22.9	24.5	27.3	27.9	29.9	32.5
Percent unknown	1.1	0.7	1.7	1.1	1.7	0.7	1.5	5.1	5.8	4.3	4.3	5.1	5.2	3.7
Median age at Ph.D. in years[2]	30.5	30.7	31.8	31.9	32.0	32.2	32.5	32.5	32.6	32.8	32.3	32.5	32.7	32.7
Percent with dependents	50.5	57.6	61.3	62.9	61.7	62.1	61.2	59.7	57.5	59.1	57.0	55.0	53.8	52.4
Percent receiving sources of support, percent[2, 3]														
Personal	29.3	31.1	57.1	60.5	57.0	61.6	61.4	63.9	65.0	68.1	67.4	69.9	71.4	78.9
Foreign government	0.0	0.0	0.0	0.0	5.8	8.7	9.6	9.3	8.3	9.6	7.4	6.5	7.5	6.6
University	95.0	90.6	91.4	94.4	90.9	92.5	91.2	88.8	86.7	87.4	90.3	87.4	87.2	89.2
Teaching assistant	55.8	51.3	47.2	52.9	51.0	55.2	50.9	47.3	45.5	45.7	46.6	41.9	41.1	47.9
Research assistant	76.8	74.1	75.7	76.9	75.7	78.6	76.1	72.7	72.4	73.9	76.5	73.6	72.3	77.2
Other university	24.3	20.7	19.0	18.3	16.2	13.5	14.4	11.1	9.3	9.4	11.3	9.2	9.2	18.7
Other	17.2	15.8	10.5	9.5	7.2	3.6	5.3	5.4	4.3	4.1	5.4	4.4	4.4	6.8
Unknown	0.6	1.6	2.0	0.6	2.0	1.4	1.9	4.2	4.4	3.6	2.7	4.5	3.7	4.1
Median years from baccalaureate to Ph.D.														
Total time, in years	7.9	8.4	9.2	9.3	9.5	9.7	10.0	10.0	10.1	10.2	10.0	10.0	10.1	10.1
Registered time, in years	5.7	5.7	6.2	6.2	6.1	6.2	6.3	6.3	6.3	6.4	6.5	6.3	6.5	6.5
Sciences & Engineering, percent	94.2	93.4	89.6	89.1	90.5	86.2	87.7	88.1	85.3	86.8	83.3	82.6	83.5	82.2
Physical Sciences	27.6	23.5	15.3	19.2	16.8	13.2	15.6	14.1	11.9	10.8	11.6	10.2	12.3	9.7
Earth, Atmospheric, and Ocean sciences	1.5	4.7	3.6	1.8	2.8	1.5	2.2	1.5	1.4	1.8	2.1	1.8	1.9	1.9
Mathematics	9.1	7.8	4.0	5.1	3.5	3.9	3.5	5.3	4.0	3.7	3.6	4.2	2.7	3.3
Computer/Information sciences	0.0	1.4	2.4	4.1	3.4	6.2	4.0	6.9	5.9	6.3	6.7	5.5	5.9	5.8
Engineering	37.8	40.5	51.9	49.5	50.3	50.9	49.8	47.0	53.0	51.3	48.8	51.5	49.7	49.8
Biological sciences	11.2	12.9	10.9	8.6	11.8	12.1	11.8	13.4	10.4	13.6	14.6	14.2	13.6	15.1
Agricultural sciences	7.3	3.3	3.4	3.9	4.2	3.4	3.9	4.0	3.7	4.4	3.7	3.2	4.2	4.3
Psychology and social sciences	5.4	5.9	8.6	7.8	7.2	8.7	9.2	7.7	9.7	8.1	8.8	9.4	9.8	10.1
Non-sciences and Engineering, percent	5.8	6.6	10.4	10.9	9.5	13.8	12.3	11.9	14.7	13.2	16.7	17.5	16.5	17.8
Humanities	28.1	23.3	8.0	12.6	13.3	11.1	9.2	11.0	15.5	10.1	14.0	12.0	17.1	16.1
Education	21.9	26.7	34.5	37.9	32.5	31.7	36.7	46.0	44.9	49.2	44.9	41.5	39.6	42.6
Health sciences	25.0	30.0	27.6	13.8	15.7	11.9	14.2	13.9	10.3	12.2	12.4	17.5	20.4	16.9
Professional and other fields	25.0	20.0	29.9	35.6	38.6	45.2	40.0	29.2	29.4	28.6	28.8	29.1	22.9	24.5
Planned location after Ph.D.[2]														
Number with permanent visas	227	144	159	144	150	136	142	147	160	172	155	178	165	136
U.S. total, percent	64.3	72.9	64.8	61.1	50.7	64.0	64.1	65.3	82.5	80.8	76.8	69.1	82.4	82.4
Study	39.0	31.4	25.2	25.0	42.1	39.1	38.5	30.2	28.8	25.9	33.6	31.7	32.4	33.0
Employment	59.6	68.6	74.8	75.0	57.9	59.8	61.5	68.8	70.5	69.8	64.7	65.9	65.4	66.1
Unknown	1.4	0.0	0.0	0.0	0.0	1.1	0.0	1.0	0.8	4.3	1.7	2.4	2.2	0.9
Non-U.S.	3.1	1.4	2.5	4.2	5.3	5.1	2.8	12.2	6.9	15.1	16.1	25.3	15.2	16.2
Unknown location	32.6	25.7	32.7	34.7	44.0	30.9	33.1	22.5	10.6	4.1	7.1	5.6	2.4	1.5

See explanatory information, if any, and SOURCE at end of table.

Table B-26. Statistical profile of doctorate recipients from Taiwan, by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	291	281	587	565	640	650	715	865	967	1,070	1,058	1,123	1,075	1,013
U.S. total, percent	44.7	58.4	46.8	48.9	45.5	41.8	39.3	41.0	46.4	46.9	38.9	41.9	44.6	47.8
Study	66.2	47.0	50.9	54.7	59.5	57.7	56.2	44.5	40.1	47.6	55.7	51.7	50.3	44.4
Employment	32.3	53.0	48.4	44.2	40.2	41.5	43.1	53.8	58.6	50.8	42.1	46.0	47.0	53.1
Unknown	1.5	0.0	0.7	1.1	0.3	0.7	0.7	1.7	1.3	1.6	2.2	2.3	2.7	2.5
Non-U.S.	22.3	19.6	20.6	18.2	19.2	20.8	22.1	34.0	41.0	45.3	55.4	53.2	50.3	47.3
Unknown location	33.0	22.1	32.5	32.9	35.3	37.4	38.6	25.0	12.6	7.8	5.8	5.0	5.1	4.9
Number planning location in the United States after Ph.D.[2]:	**276**	**269**	**378**	**364**	**367**	**359**	**372**	**451**	**581**	**641**	**530**	**593**	**615**	**596**
Percent with definite postdoctoral study[4]	41.7	31.2	32.8	34.1	45.0	42.1	40.9	28.4	22.0	25.4	30.4	27.7	24.6	25.2
Percent with definite employment[4]	38.0	53.2	47.1	43.4	39.0	37.6	41.9	37.7	36.5	25.7	22.8	22.3	20.2	28.5
Percent seeking postdoctoral study[4]	10.1	9.7	11.1	13.5	10.9	11.1	11.0	13.1	15.5	17.5	20.4	19.9	21.8	17.1
Percent seeking employment[4]	8.7	5.9	8.5	8.2	4.9	8.4	5.6	19.3	24.8	29.2	24.3	27.8	30.9	27.0
Percent with postdoctoral plans unknown[4]	1.4	0.0	0.5	0.8	0.3	0.8	0.5	1.6	1.2	2.2	2.1	2.4	2.6	2.2
Number with definite employment plans in United States after Ph.D.:	**105**	**143**	**178**	**158**	**143**	**135**	**156**	**170**	**212**	**165**	**121**	**132**	**124**	**170**
Primary work activity[2], percent														
R&D	70.5	77.6	76.4	70.9	76.2	74.1	73.7	68.2	70.3	67.9	73.6	68.2	74.2	81.2
Teaching	11.4	13.3	12.9	15.8	12.6	15.6	16.7	12.9	10.4	9.7	11.6	11.4	7.3	4.7
Administrative	0.0	1.4	0.0	0.0	0.7	0.7	0.0	0.6	0.5	0.6	0.8	1.5	1.6	0.0
Professional services	15.2	3.5	5.1	5.1	4.9	5.2	7.1	9.4	7.1	7.9	5.0	6.8	10.5	8.2
Other	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.0	0.5	1.2	0.8	1.5	1.6	1.2
Unknown	2.9	4.2	5.6	8.2	4.9	3.7	1.9	8.8	11.3	12.7	8.3	10.6	4.8	4.7
Type of employer, percent[2]														
Educational institution[5]	22.9	24.5	27.5	29.1	28.7	32.6	34.6	28.8	24.1	24.2	26.5	24.2	13.7	14.7
Industry/business	67.6	71.3	66.9	65.8	65.0	63.7	61.5	68.2	70.3	69.7	67.8	68.9	79.0	81.8
Government	4.8	3.5	2.2	1.3	4.2	2.2	1.9	1.2	2.4	1.8	3.3	3.0	2.4	1.2
Nonprofit	2.9	0.0	1.7	3.8	0.7	0.7	1.9	1.8	2.4	3.0	1.7	2.3	2.4	1.8
Other and unknown	1.9	0.7	1.7	0.0	1.4	0.7	0.0	0.0	0.9	1.2	0.8	1.5	2.4	7.0

[1] This table includes all citizens of Taiwan who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[2] Sciences and engineering Ph.D.s only.

[3] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[4] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[5] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-27. Statistical profile of doctorate recipients from United Kingdom[1], by year of Ph.D.: 1975, 1980, 1985-96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**178**	**129**	**165**	**128**	**158**	**176**	**161**	**172**	**207**	**216**	**230**	**219**	**222**	**205**
Percent men	84.3	79.1	61.2	68.8	71.5	64.2	65.2	72.1	69.1	64.4	73.5	70.8	69.8	57.6
Percent women	15.7	20.9	38.8	31.3	28.5	35.8	34.8	27.9	30.9	35.6	26.5	29.2	30.2	42.4
Percent with permanent visa	38.2	41.9	41.2	38.3	34.8	42.6	41.0	44.2	44.4	41.2	38.3	42.5	40.1	49.3
Percent with temporary visa	61.8	58.1	58.8	61.7	65.2	57.4	59.0	55.8	55.6	58.8	61.7	57.5	59.9	50.7
Percent married	59.6	58.1	52.7	46.9	48.1	39.8	49.7	47.7	50.7	41.7	42.6	42.0	40.5	46.3
Percent not married	39.9	40.3	44.2	51.6	49.4	58.5	48.4	44.8	41.5	52.3	51.7	53.0	50.0	46.8
Percent unknown	0.6	1.6	3.0	1.6	2.5	1.7	1.9	7.6	7.7	6.0	5.7	5.0	9.5	6.8
Median age at Ph.D. in years[3]	29.3	29.2	30.3	29.2	28.6	29.2	29.8	29.4	30.4	30.5	29.3	29.4	30.8	31.2
Percent with dependents	29.8	34.1	29.7	23.4	27.8	25.0	25.5	30.2	32.4	23.1	22.6	23.3	19.4	26.8
Percent receiving sources of support, percent[3, 4]														
Personal	37.3	49.4	60.2	56.3	46.9	48.3	52.6	51.0	50.7	49.6	48.4	51.9	47.0	61.0
Foreign government	0.0	0.0	0.0	0.0	2.1	3.4	3.1	2.9	3.0	2.9	3.2	2.3	1.5	0.0
University	91.5	94.4	82.5	92.5	91.7	95.8	92.8	87.5	92.5	91.4	95.5	95.4	90.3	89.0
Teaching assistant	61.0	59.6	60.2	57.5	61.5	66.9	67.0	64.4	64.2	63.3	70.1	60.3	53.7	72.9
Research assistant	61.0	66.3	51.5	60.0	68.8	69.5	72.2	67.3	65.7	59.7	74.5	64.9	65.7	61.0
Other university	40.7	32.6	35.9	30.0	31.3	33.1	30.9	33.7	24.6	38.8	33.7	29.8	27.6	40.7
Other	29.7	21.3	25.2	28.8	11.5	22.0	17.5	12.5	14.9	17.3	16.6	13.7	9.0	20.3
Unknown	0.8	2.2	1.9	0.0	2.1	0.0	2.1	4.8	4.5	3.6	0.6	1.5	5.2	3.4
Median years from baccalaureate to Ph.D.														
Total time, in years	6.9	7.3	8.1	8.0	7.8	7.8	8.3	7.8	8.8	8.2	8.0	8.3	9.0	9.1
Registered time, in years	5.4	5.5	5.9	5.9	6.1	6.3	6.1	6.2	6.5	6.5	6.3	6.5	6.8	7.0
Sciences & Engineering, percent	66.3	69.0	62.4	62.5	60.8	67.0	60.2	60.5	64.7	64.4	68.3	59.8	60.4	57.6
Physical Sciences	15.3	13.5	22.3	13.8	19.8	16.9	14.4	17.3	24.6	17.3	22.3	21.4	20.9	11.9
Earth, Atmospheric, and Ocean sciences	4.2	4.5	4.9	7.5	7.3	7.6	7.2	3.8	3.7	1.4	5.7	3.8	1.5	8.5
Mathematics	3.4	3.4	6.8	2.5	4.2	4.2	6.2	6.7	6.7	7.2	6.4	8.4	5.2	4.2
Computer/Information sciences	0.0	3.4	1.9	6.3	4.2	5.1	2.1	1.0	1.5	2.2	2.5	0.8	1.5	1.7
Engineering	7.6	21.3	5.8	15.0	9.4	9.3	14.4	14.4	11.2	12.2	11.5	11.5	14.9	8.5
Biological sciences	23.7	16.9	26.2	23.8	22.9	21.2	20.6	22.1	14.9	21.6	20.4	19.8	19.4	20.3
Agricultural sciences	4.2	5.6	3.9	3.8	3.1	3.4	7.2	1.0	4.5	0.7	3.2	2.3	2.2	2.5
Psychology and social sciences	41.5	31.5	28.2	27.5	29.2	32.2	27.8	33.7	32.8	37.4	28.0	32.1	34.3	42.4
Non-sciences and Engineering, percent	33.7	31.0	37.6	37.5	39.2	33.0	39.8	39.5	35.3	35.6	31.7	40.2	39.6	42.4
Humanities	53.3	32.5	43.5	45.8	53.2	60.3	48.4	60.3	52.1	59.7	60.3	64.8	69.3	60.9
Education	28.3	42.5	35.5	25.0	24.2	24.1	25.0	25.0	23.3	22.1	19.2	13.6	14.8	29.9
Health sciences	5.0	12.5	8.1	10.4	8.1	3.4	1.6	4.4	4.1	5.2	5.5	9.1	4.5	0.0
Professional and other fields	13.3	12.5	12.9	18.8	14.5	12.1	25.0	10.3	20.5	13.0	15.1	12.5	11.4	9.2
Planned location after Ph.D.[3]														
Number with permanent visas	47	33	43	32	31	48	36	39	53	59	48	56	49	51
U.S. total, percent	63.8	75.8	69.8	68.8	83.9	60.4	69.4	74.4	83.0	88.1	91.7	91.1	87.8	88.2
Study	40.0	32.0	56.7	27.3	42.3	41.4	28.0	24.1	43.2	40.4	47.7	45.1	37.2	28.9
Employment	60.0	68.0	43.3	72.7	57.7	58.6	72.0	75.9	52.3	55.8	52.3	54.9	60.5	71.1
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	3.8	0.0	0.0	2.3	0.0
Non-U.S.	14.9	3.0	7.0	9.4	0.0	10.4	2.8	7.7	13.2	10.2	8.3	8.9	4.1	11.8
Unknown location	21.3	21.2	23.3	21.9	16.1	29.2	27.8	17.9	3.8	1.7	0.0	0.0	8.2	0.0

See explanatory information, if any, and SOURCE at end of table

Table B-27. Statistical profile of doctorate recipients from United Kingdom[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	71	56	60	48	65	70	61	65	81	80	109	75	85	67
U.S. total, percent	50.7	55.4	56.7	45.8	49.2	55.7	57.4	67.7	58.0	61.3	63.3	52.0	69.4	61.2
Study	47.2	45.2	52.9	63.6	56.3	61.5	54.3	56.8	55.3	57.1	52.2	53.8	45.8	56.1
Employment	50.0	54.8	44.1	36.4	43.8	38.5	45.7	43.2	42.6	42.9	46.4	43.6	50.8	41.5
Unknown	2.8	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.1	0.0	1.4	2.6	3.4	2.4
Non-U.S.	36.6	23.2	16.7	18.8	27.7	20.0	18.0	20.0	33.3	35.0	30.3	42.7	25.9	34.3
Unknown location	12.7	21.4	26.7	35.4	23.1	24.3	24.6	12.3	8.6	3.8	6.4	5.3	4.7	4.5
Number planning location in the United States after Ph.D.[2]:	**66**	**56**	**64**	**44**	**58**	**68**	**60**	**73**	**91**	**101**	**113**	**90**	**102**	**86**
Percent with definite postdoctoral study[5]	40.9	32.1	42.2	43.2	39.7	50.0	40.0	31.5	40.7	40.6	43.4	34.4	34.3	32.6
Percent with definite employment[5]	47.0	58.9	40.6	52.3	44.8	42.6	53.3	41.1	31.9	33.7	32.7	31.1	40.2	38.4
Percent seeking postdoctoral study[5]	3.0	7.1	12.5	2.3	10.3	2.9	3.3	12.3	8.8	7.9	7.1	14.4	7.8	9.3
Percent seeking employment[5]	7.6	1.8	3.1	2.3	5.2	4.4	3.3	15.1	15.4	15.8	15.9	18.9	14.7	18.6
Percent with postdoctoral plans unknown[5]	1.5	0.0	1.6	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.9	1.1	2.9	1.2
Number with definite employment plans in United States after Ph.D.:	**31**	**33**	**26**	**23**	**26**	**29**	**32**	**30**	**29**	**34**	**37**	**28**	**41**	**33**
Primary work activity[3], percent														
R&D	45.2	57.6	26.9	47.8	65.4	55.2	62.5	43.3	51.7	41.2	45.9	50.0	53.7	24.2
Teaching	41.9	27.3	53.8	17.4	23.1	24.1	25.0	43.3	27.6	20.6	29.7	35.7	22.0	57.6
Administrative	0.0	3.0	0.0	0.0	0.0	3.4	9.4	0.0	0.0	0.0	0.0	0.0	4.9	0.0
Professional services	3.2	12.1	15.4	13.0	7.7	13.8	3.1	3.3	10.3	14.7	5.4	3.6	9.8	15.2
Other	0.0	0.0	3.8	13.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	2.4	0.0
Unknown	9.7	0.0	0.0	8.7	3.8	3.4	0.0	10.0	10.3	23.5	13.5	10.7	7.3	3.0
Type of employer, percent[3]														
Educational institution[6]	64.5	54.5	65.4	43.5	61.5	58.6	59.4	73.3	48.3	61.8	54.1	64.3	56.1	72.7
Industry/business	29.0	36.4	23.1	39.1	30.8	34.5	28.1	20.0	24.1	26.5	32.4	17.9	29.3	15.2
Government	0.0	3.0	3.8	8.7	3.8	3.4	3.1	3.3	17.2	0.0	2.7	3.6	7.3	6.1
Nonprofit	3.2	6.1	7.7	8.7	3.8	3.4	3.1	0.0	10.3	8.8	5.4	10.7	4.9	3.0
Other and unknown	3.2	0.0	0.0	0.0	0.0	0.0	6.3	3.3	0.0	2.9	5.4	3.6	2.4	3.0

[1] Includes England, Wales, Scotland, and Northern Ireland.

[2] This table includes all citizens of the United Kingdom who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

SOURCE: National Science Foundation, Division of Science Resources Studies, *Survey of Earned Doctorates*.

Table B-28. Statistical profile of doctorate recipients from Western Europe[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Total number of Ph.D.s[2]	**133**	**110**	**155**	**164**	**175**	**197**	**187**	**224**	**312**	**293**	**310**	**315**	**347**	**350**
Percent men	89.5	75.5	76.1	79.9	76.0	71.1	72.2	73.7	71.2	67.9	71.6	65.1	69.7	62.6
Percent women	10.5	24.5	23.9	20.1	24.0	28.9	27.8	26.3	28.8	32.1	28.4	34.9	30.3	37.4
Percent with permanent visa	24.8	39.1	25.8	23.2	20.0	29.9	23.5	22.3	24.0	23.9	27.4	23.5	26.5	29.4
Percent with temporary visa	75.2	60.9	74.2	76.8	80.0	70.1	76.5	77.7	76.0	76.1	72.6	76.5	73.5	70.6
Percent married	67.7	59.1	47.7	46.3	51.4	55.3	53.5	48.7	48.1	44.4	44.5	43.8	42.9	43.1
Percent not married	30.1	39.1	49.0	50.6	45.7	43.7	43.3	46.0	43.9	50.9	50.6	49.2	50.4	51.7
Percent unknown	2.3	1.8	3.2	3.0	2.9	1.0	3.2	5.4	8.0	4.8	4.8	7.0	6.6	5.1
Median age at Ph.D. in years[3]	30.3	31.1	29.9	29.8	30.1	30.2	29.9	30.0	30.8	30.6	31.2	30.3	30.8	30.7
Percent with dependents	45.1	42.7	36.8	29.9	34.9	36.0	30.5	32.6	33.0	31.1	28.7	22.9	24.8	23.1
Percent receiving sources of support, percent[3,4]														
Personal	37.7	43.2	62.6	54.7	49.6	55.9	57.3	43.5	48.4	47.7	53.7	44.2	45.3	53.7
Foreign government	0.0	0.0	0.0	0.0	16.8	18.4	19.1	16.9	21.7	20.2	21.0	24.8	24.6	27.3
University	86.8	86.4	87.9	94.5	94.7	91.9	92.4	89.0	88.0	90.7	91.3	82.0	84.5	90.3
Teaching assistant	37.7	38.3	52.3	51.6	57.3	56.6	55.7	48.1	52.5	58.5	57.6	43.2	47.4	59.5
Research assistant	61.3	61.7	53.3	68.8	71.8	74.3	69.5	73.4	64.1	67.4	67.2	59.2	63.4	72.7
Other university	44.3	28.4	28.0	26.6	29.0	30.1	31.3	22.7	21.7	23.8	21.8	15.5	22.0	38.3
Other	31.1	37.0	33.6	30.5	23.7	19.9	24.4	19.5	22.6	25.9	24.0	20.9	21.6	30.8
Unknown	4.7	3.7	4.7	0.8	0.0	2.9	1.5	4.5	2.3	2.6	2.2	4.9	3.9	4.0
Median years from baccalaureate to Ph.D.														
Total time, in years	6.7	8.0	7.3	7.0	7.3	8.0	7.6	7.3	8.0	8.0	8.0	7.5	8.0	8.2
Registered time, in years	5.0	5.8	5.8	5.4	5.5	6.1	5.9	5.6	6.0	6.6	6.3	6.2	6.4	6.6
Sciences & Engineering, percent	79.7	73.6	69.0	78.0	74.9	69.0	70.1	68.8	69.6	65.9	73.9	65.4	66.9	64.9
Physical Sciences	18.9	11.1	13.1	17.2	14.5	14.0	12.2	14.9	13.4	13.0	13.5	14.6	11.6	16.7
Earth, Atmospheric, and Ocean sciences	3.8	0.0	3.7	3.1	5.3	3.7	0.0	4.5	8.3	5.2	3.5	5.3	1.7	5.7
Mathematics	8.5	7.4	4.7	10.9	8.4	10.3	7.6	6.5	10.1	6.2	5.7	5.8	6.5	7.5
Computer/Information sciences	0.0	1.2	2.8	4.7	3.8	2.2	2.3	2.6	5.1	2.6	2.2	3.4	4.3	6.2
Engineering	34.9	22.2	25.2	22.7	20.6	24.3	21.4	24.7	18.0	18.7	18.8	18.9	22.4	12.8
Biological sciences	7.5	13.6	12.2	4.7	13.7	12.5	18.3	18.2	14.7	15.0	19.2	23.3	15.9	19.8
Agricultural sciences	10.4	7.4	6.5	5.5	6.1	7.4	6.1	6.5	4.6	5.7	8.3	9.7	11.2	5.3
Psychology and social sciences	16.0	37.0	31.8	31.3	27.5	25.7	32.1	22.1	25.8	33.7	28.8	18.9	26.3	26.0
Non-sciences and Engineering, percent	20.3	26.4	31.0	22.0	25.1	31.0	29.9	31.3	30.4	34.1	26.1	34.6	33.1	35.1
Humanities	55.6	58.6	52.1	50.0	54.5	55.7	57.1	68.6	63.2	64.0	59.3	67.0	67.0	70.7
Education	14.8	17.2	20.8	16.7	18.2	23.0	19.6	12.9	7.4	9.0	16.0	11.9	8.7	8.9
Health sciences	11.1	10.3	10.4	8.3	4.5	4.9	8.9	7.1	9.5	13.0	9.9	7.3	7.8	8.9
Professional and other fields	18.5	13.8	16.7	25.0	22.7	16.4	14.3	11.4	20.0	14.0	14.8	13.8	16.5	11.4
Planned location after Ph.D.[3]														
Number with permanent visas	20	29	19	25	24	39	22	26	42	38	61	40	52	54
U.S. total, percent	70.0	65.5	52.6	72.0	70.8	61.5	50.0	57.7	90.5	92.1	77.0	80.0	90.4	92.6
Study	28.6	26.3	40.0	33.3	47.1	37.5	36.4	46.7	28.9	40.0	40.4	56.3	44.7	36.0
Employment	71.4	73.7	60.0	66.7	52.9	62.5	63.6	53.3	65.8	57.1	57.4	40.6	51.1	60.0
Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.9	2.1	3.1	4.3	4.0
Non-U.S.	15.0	6.9	10.5	4.0	8.3	10.3	13.6	23.1	2.4	5.3	21.3	17.5	5.8	5.6
Unknown location	15.0	27.6	36.8	24.0	20.8	28.2	36.4	19.2	7.1	2.6	1.6	2.5	3.8	1.9

See explanatory information, if any, and SOURCE at end of table

Table B-28. Statistical profile of doctorate recipients from Western Europe[1], by year of Ph.D.: 1975, 1980, 1985–96

Item	1975	1980	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number with temporary visas	86	52	88	103	107	97	109	128	175	155	168	166	180	173
U.S. total, percent	31.4	36.5	40.9	35.0	40.2	40.2	36.7	34.4	38.9	45.2	39.3	44.0	48.3	48.6
Study	51.9	52.6	41.7	41.7	55.8	46.2	47.5	59.1	51.5	55.7	53.0	63.0	52.9	64.3
Employment	44.4	47.4	58.3	58.3	44.2	53.8	52.5	40.9	48.5	44.3	47.0	37.0	46.0	31.0
Unknown	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.8
Non-U.S.	40.7	40.4	33.0	41.7	39.3	40.2	42.2	50.0	49.7	51.0	53.6	50.6	47.8	46.8
Unknown location	27.9	23.1	26.1	23.3	20.6	19.6	21.1	15.6	11.4	3.9	7.1	5.4	3.9	4.6
Number planning location in the United States after Ph.D.[3]:	**41**	**38**	**46**	**54**	**60**	**63**	**51**	**59**	**106**	**105**	**113**	**105**	**134**	**134**
Percent with definite postdoctoral study[5]	41.5	36.8	34.8	35.2	43.3	39.7	43.1	47.5	32.1	36.2	33.6	48.6	38.1	43.3
Percent with definite employment[5]	48.8	57.9	50.0	55.6	45.0	52.4	47.1	39.0	42.5	34.3	34.5	31.4	26.1	31.3
Percent seeking postdoctoral study[5]	2.4	2.6	6.5	3.7	10.0	3.2	2.0	8.5	11.3	14.3	14.2	12.4	11.9	10.4
Percent seeking employment[5]	4.9	2.6	8.7	5.6	1.7	4.8	7.8	5.1	12.3	14.3	16.8	6.7	21.6	10.4
Percent with postdoctoral plans unknown[5]	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.0	0.9	1.0	2.2	4.5
Number with definite employment plans in United States after Ph.D.:	**20**	**22**	**23**	**30**	**27**	**33**	**24**	**23**	**45**	**36**	**39**	**33**	**35**	**42**
Primary work activity[3], percent														
R&D	35.0	27.3	56.5	53.3	40.7	51.5	45.8	47.8	71.1	75.0	53.8	66.7	82.9	54.8
Teaching	35.0	50.0	30.4	30.0	37.0	33.3	37.5	30.4	17.8	13.9	28.2	21.2	5.7	21.4
Administrative	5.0	0.0	4.3	3.3	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	2.4
Professional services	20.0	13.6	8.7	13.3	7.4	12.1	4.2	4.3	2.2	2.8	7.7	3.0	0.0	14.3
Other	0.0	4.5	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	2.6	0.0	5.7	2.4
Unknown	5.0	4.5	0.0	0.0	7.4	3.0	12.5	17.4	8.9	5.6	7.7	9.1	5.7	4.8
Type of employer, percent[3]														
Educational institution[6]	55.0	63.6	56.5	76.7	59.3	60.6	70.8	52.2	68.9	58.3	64.1	42.4	37.1	38.1
Industry/business	35.0	18.2	34.8	20.0	22.2	33.3	20.8	39.1	24.4	33.3	23.1	42.4	37.1	50.0
Government	0.0	4.5	0.0	0.0	11.1	3.0	8.3	4.3	2.2	8.3	2.6	0.0	0.0	4.8
Nonprofit	5.0	13.6	0.0	3.3	7.4	0.0	0.0	4.3	4.4	0.0	5.1	3.0	17.1	0.0
Other and unknown	5.0	0.0	8.7	0.0	0.0	3.0	0.0	0.0	0.0	0.0	5.1	12.1	8.6	7.1

[1] Includes Andorra, Belgium, Gibraltar, Luxembourg, Monaco, the Netherlands, Portugal, Spain, Switzerland, the Republic of Ireland, Austria, Liechtenstein, Malta, and unspecified Western European countries.

[2] This table includes all citizens of Western European countries who indicated a visa status (permanent or temporary visa). Those with unknown visa status are not included.

[3] Sciences and engineering Ph.D.s only.

[4] In this table a recipient counts once in each source category from which he or she received support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100 percent. "Personal" includes a recipient's own earnings, family support, and loans. Federal research assistants are aggregated with university research assistants.

[5] Includes only those Ph.D. recipients intending to remain in the United States after graduation.

[6] Includes 2-year and 4-year colleges and universities, medical schools, and elementary/secondary schools.

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